

JOE D LONGACRE, SR STATE INSPECTOR OF MINES

Buchanan Matthews Mesa Martinez

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107 5-26-78



SAFETY FIRST

OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

5-1 Ch-1 AR-6 CMT-4 Cease-4

SAFETY & CHECKUP

REPORT OF INSPECTION

1.D. No. 2901571 - Hope Mine
Ranchers Exploration & Development Corporation
(Name)

Mine

February 27, 1978 February 14, 1978 (Date of Inspection)

Uran i um (Classification of Mine)

Employment:

McKinley (County in which located) Garth Logsdon, Mine Superintendent (Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted

GENERAL INFORMATION

Date of previous inspection: October 26,27, 1977

The operation is located in Poison Canyon some 12 miles northwest of Grants, NM. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Total Underground	33 29	Paul Matthews, General Manager Tim Hurley, Engineer		
Surface	4	Garth Logsdon, Mine Superintendent		
Work Schedule: Hours per day	8	Type of operation: modified room and pillar		
Snifts per day Days per week	3 2 5	Fire drill: December 14, 1977		
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Company Officials:

Lost-time injuries in 1977: one Lost-time injuries in 1978: none

First-aid training to date: 60% Mine telephone: 287-7012

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

State of New Mexico
Lorenzo Martinez, Deputy Inspector of Mines

100006998

JOE D. LONGACRE, SR.

I.D. No. 2901571 - Hope Mine Ranchers Exploration & Development Corp.

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follow:

```
400 drift - some 7,000 c.f.m.

409 drift - some 8,000 c.f.m.

501 drift - some 8,000 c.f.m.

600 drift - some 7,000 c.f.m.

319 stope - some 10,000cc.f.m.

204 stope - some 9,000 c.f.m.
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DIESELS

Diesel units were checked for CO, NO2 and exhaust temperatures, the results are as follow:

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No. 1 Harvis loader; CO - 5 PPM; NO2 - 2 PPM; temperature - 120^{\circ} F. No. 1 Eimco loader; CO - 8 PPM; NO2 - 2 PPM; temperature - 120^{\circ} F. No. 1 truck; CO - 5 PPM; NO2 - 1 PPM; temperature - 115^{\circ} F. No. 2 truck; CO - 5 PPM; NO2 - 3 PPM; temperature - 110^{\circ} F.
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ABATEMENT OF NOTICES ISSUED 10-27-77

Notice No. 7, SIM Rule No. 75-2(c); (57.12-32M) Abated 2-14-78.

Notice No. 8, Section 63-21-1, NMSA; (57.11-50M) Abated 2-14-78.

Notice No. 9, SIM Rule No. 71-1(c); (57.12-18M) Abated 2-14-78.

Notice No. 10, Section 63-28-6, NMSA; (57.3-22M) Abated 2-14-78.

1.D. No. 2901571 - Hope Mine Ranchers Exploration & Development Corp.

ORDERS ISSUED 2-14-78

Order No. 1, Section 63-28-6, NMSA: Additional ground support shall be provided in 400 drift (Cease Order Issued). (57.3-22M) Abate by 2-17-78.

Order No. 2, Section 63-28-6, NMSA: Additional ground support shall be provided In 409 and 412 Intersection (Cease Order Issued). (57.3-22M) Abate by 2-17-78.

Order No. 3, Section 63-28-6, NMSA: Additional ground support shall be provided In 501 south drift (Cease Order Issued). (57.3-22M) Abate by 2-17-78.

Order No. 4, Section 63-28-6, NMSA: Additional ground support shall be provided in 602 West drift (Cease Order Issued). (57.3-22M) Abate by 2-17-78.

NOTICES ISSUED 2-14-78

Notice No. 1, SIM Rule No. 74-4(c): A self-rescue shall be provided for employee working in 204 drift. (57.15-30M) Abated 2-14-78.

Notice No. 2, Section 63-28-17, NMSA: Employee shall be provided with safety glasses in 500 drift. (57.15-4M) Abated 2-14-78.

Notice No. 3, Section 63-20-6, NMSA: Long hair on employee working in 501 drift shall be contained. Abated 2-14-78.

Notice No. 4, SIM Rule No. 71-1(c): All electrical boxes shall be labeled underground and surface. (57.12-18M) Abate by 2-17-78.

Notice No. 5, SIM Rule No. 71-1(c): Blasting line shall be rehung and insulated in 400 drift. (57.6-122M) Abate by 2-17-78.

Notice No. 6, Section 63-28-6, NMSA: Additional ground support shall be provided in 319 pillar area. (57.3-22M) Abate by 2-17-78.

Notice No. 7, SIM Rule No. 71-3(c): A fire extinguisher shall be provided on No. 1 truck. (57.4-23M) Abate by 2-17-73.

The inspection and notices issued were discussed with Mr. Logsdon after the inspection.

ACKNOWLEDGEMENT

The courtesy and cooperation of Messrs. Logsdon and Magana and all employees contacted are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

JOED LONGACHE SR

State Inspector of Mines

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Form A

Office of State Mine Inspector

Office Telephone 842-3055 Residence 344-1129 505 Marquette, N.W. Room 1103 Albuquerque, New Mexico 87501

ORDER

TO: Garth Loysdon (Minc Supt)
ADDRESS: Grants Nomen

Pursuant to New Mexico State Mine Laws, Section 63-4-5 (c) & 63-4-12, and regulations adopted by this office and under the authority conferred by this office thereby — you are hereby ordered to (Cease) (Modify) (Correct) (Limit) all operations of

Intersection, 5015: Driet, baz w Driet

pt Hope

Mine for the reason 12dd. From 1 Graund

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and such order will remain in effect which In grandy Checks it aut stand o.K. it.

Failure to comply with this order will result in prosecution for its violation.

/s/ JOE D. LONGACRE, SR. State Mine Inspector

Deputy Mine Inspector

Date 2- 14-76

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JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT 2340 MENAUL, N.E., SUITE 106

ALBUQUERQUE, NEW MEXICO 87107 1-20-781

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

I.D. No.	2901571 - Hope Mine	
Ranchers	Exploration and Development Corporation	•
	(Name)	

Mine

Typed November 10, 1977 October 26,27, 1977 (Date of Inspection)

Uranium (Classification of Mine)

McKinley (County in which located) Garth Logsdon, Mine Superintendent (Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted

GENERAL INFORMATION

Date of previous inspection: July 25,26, 1977

The operation is located in Poison Canyon some 12 miles northwest of Grants, NM. The operation is owned and operated by Ranchers Exploration and Development The above named operation was formerly operated by Kop-Ran Development Corporation. Corporation.

Employment:	
Total	
Underground	
Surface	

Company Officials:

Paul Matthews, General Manager

Tim Hurley, Engineer

Garth Lodsdon, Mine Superintendent

Work Schedule:

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32

28

Type of operation: modified room & pillar

Hours per day 3 Shifts per day Days per week

5

Fire drill: May 26, 1977

Lost-time injuries to date: one First-aid training to date: 50%

Mine telephone: 287-7012

Inspection Party:

Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

Al Magana, Electrical Foreman

State of New Mexico

Earl Roney, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

In order to be in compliance with the State and Federal safety standards, the cubic feet of air per minute required for the diesel units being used underground are 3,300. Each man shall be provided with an additional 500 c.f.m.

409 drift showed some 4,200 c.f.m. 500 drift showed some 8,500 c.f.m. 322 drift showed some 16,300 c.f.m.

DIESEL UNITS

Eimco 911, No. 1 front-end loader; CO - 10 PPM; NO2 - 1 PPM; exhaust temperature - 110° F. Jarvis No. 1 front-end loader; CO - no trace; NO2 - no trace; exhaust temperature - 840 F. No. 1 truck, CO - 5 PPM; NO2 - 2 PPM; exhaust temperature - 110° F. No. 2 truck, CO - no trace; NO2 - no trace; exhaust temperature - 90° F.

GROUND SUPPORT

Rockbolts, wire mesh and stulls are being used for ground support. The company has begun pulling pillars and the stulls hold the limestone formation satisfactorily.

ABATEMENT OF ORDERS ISSUED 7-26-77

Order No. 1, Rule No. 3, Page 119; (57.6-47M) Abated 10-27-77.

Order No. 2, Rule No. 7, Page 124; Abated 10-27-77.

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ABATEMENT OF NOTICES ISSUED 7-26-77

Notice No. 30, SIM Rule No. 71-1(c); (57.16-5M) Abated 10-27-77.

Notice No. 31, Section 63-28-16, NMSA; (57.14-1M) Abated 10-27-77.

Notice No. 32, Section 63-28-16, NMSA; (57.14-1M) Abated 10-27-77.

Notice No. 33, SIM Rule No. 75-2(c); (57.12-32M) Abated 10-27-77.

Notice No. 34, Section 63-4-12, NMSA; (57.12-34M) Abated 10-27-77.

Notice No. 35, Section 63-28-9, NMSA; Abated 10-27-77.

Notice No. 36, SIM Rule No. 71-1(c); (57.19-45M) Abated 10-27-77.

Notice No. 37, Section 63-28-16, NMSA; (57.14-1M) Abated 10-27-77.

Notice No. 38, SIM Rule No. 71-1(c); 157.4-4M) Abated 10-27-77.

Notice No. 39, Section 63-28-16, NMSA; (57.14-1M) Abated 10-27-77.

Notice No. 40, S1M Rule No. 74-3(c); (57.11-53M) Abated 10-27-77.

Notice No. 41, Section 63-27-9(b), NMSA; (57.12-20M) Abated 10-27-77.

NOTICES ISSUED 10-27-77

Notice No. 1, SIM Rule No. 71-1(C): Secure oxygen cylnder in warehouse. (57.16-5M) Abated 10-27-77.

Notice No. 2, SIM Rule No. 76-1(c): Remove dry weeds and wood from around oil storage area. (57.4-50M) Abated 10-27-77.

Notice No. 3, SIM Rule No. 76-1(c): Remove dry weeds from the surface diesel storage area. (57.4-50M) Abated 10-27-77.

Notice No. 4, SIM Rule No. 71-3(c): Provide a fire extinguisher for the surface diesel storage area. (57.4-23M) Abated 10-27-77.

Notice No. 5, SIM Rule No. 71-1(c): Adjust tool rest on 1-5 shop stationary grinder. (57.14-8(b) M) Abated 10-27-77.

Notice No. 6, Section 63-28-9, NhSA: Extend fan bag in 500 drift to within 30 feet of face. Abated 10-27-77.

Notice No. 7, SIM Rule No. 75-2(c): Provide a junction box cover on panel in surface standby generator building. (57.12-32M) Abate by 10-31-77.

Notice No. 8, Section 63-21-1, NMSA: A test run of the emergency hoist facilities shall be done monthly and a log kept of the results. (57.11-50N) Abate by 10-31-77.

Notice No. 9, SIM Rule No. 71-1(c): Label switchboxes on electric panel across from the 1-5 fueling area. (57.12-18M) Abate by 10-31-77.

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Notice No. 10, Section 63-28-6, NMSA: Additional boilting shall be provided for 410 S drift before advancing any further. (57.3-22M) Abate by 10-28-77.

The inspection and notices issued were discussed with Mr. Logsdon after the inspection.

* ACKNOWLEDGMENT

The courtesy and cooperation of Messrs. Logsdon and Magana and all employees contacted are hereby gratefully acknowledged.

Inspected and Reported by: Earl Roney Deputy Inspector of Mines

Approved

JOE D. LONGACRE SR.





JOE D. LONGACRE, SR. STATE INSPECTOR OF MINES

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106
ALBUQUERQUE, NEW MEXICO 87107

5-2 Ch-2 AR-3 CMT-4 SAFETY FIRST



OFFICE TELEPHONE 842-3055
RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

I.D. No.	2901571 - Hope Mine
Ranchers	Exploration and Development Corporation
	(Name)

Mine

Typed November 10, 1977 October 26,27, 1977. (Date of Inspection)

Uran i um (Classification of Mine) McKinley
(County in which located)

Garth Logs don, Mine Superintendent
(Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: July 25,26, 1977

The operation is located in Poison Canyon some 12 miles northwest of Grants, NM. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment:	
Total	32
Underground	28
Surface	4

Company Officials:

Paul Matthews, General Manager

Tim Hurley, Engineer

Garth Lodsdon, Mine Superintendent

Work Schedule:

Hours per day 8
Shifts per day 3
Days per week 5

Type of operation: modified room & pillar

Fire drill: May 26, 1977

Lost-time injuries to date: one

First-aid training to date: 50%

Mine telephone: 287-7012

Inspection Party:

Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

Al Magana, Electrical Foreman

State of New Mexico

Earl Roney, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

I.D. No. 2901571 - Hope Mine Ranchers Exploration and Development Corporation

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

In order to be in compliance with the State and Federal safety standards, the cubic feet of air per minute required for the diesel units being used underground are 3,300. Each man shall be provided with an additional 500 c.f.m.

409 drift showed some 4,200 c.f.m.
500 drift showed some 8,500 c.f.m.
322 drift showed some 16,300 c.f.m.

DIESEL UNITS

Eimco 911, No. 1 front-end loader; CO - 10 PPM; NO2 - 1 PPM; exhaust temperature - 110° F. Jarvis No. 1 front-end loader; CO - no trace; NO2 - no trace; exhaust temperature - 84° F. No. 1 truck, CO - 5 PPM; NO2 - 2 PPM; exhaust temperature - 110° F. No. 2 truck, CO - no trace; NO2 - no trace; exhaust temperature - 90° F.

GROUND SUPPORT

Rockbolts, wire mesh and stulls are being used for ground support. The company has begun pulling pillars and the stulls hold the limestone formation satisfactorily.

ABATEMENT OF ORDERS ISSUED 7-26-77

Order No. 1, Rule No. 3, Page 119; (57.6-47M) Abated 10-27-77.

Order No. 2, Rule No. 7, Page 124; Abated 10-27-77.

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Notice No. 34, Section 63-4-12, NMSA; (57.12-34M) Abated 10-27-77.

Notice No. 35, Section 63-28-9, NMSA; Abated 10-27-77.

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Notice No. 37, Section 63-28-16, NMSA; (57.14-1H) Abated 10-27-77.

Notice No. 38. SIM Rule No. 71-1(c); 157.4-4M) Abated 10-27-77.

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Notice No. 1, SIM Rule No. 71-1(C): Secure oxygen cylinder in warehouse. (57.16-5M) Abated 10-27-77.

Notice No. 2, SIM Rule No. 76-1(c): Remove dry weeds and wood from around cil storage area. (57.4-50M) Abated 10-27-77.

Notice No. 3, SIM Rule No. 76-1(c): Remove dry weeds from the surface diesel storage area. (57.4-50M) Abated 10-27-77.

Notice No. 4, SIM Rule No. 71-3(c): Provide a fire extinguisher for the surface diesel storage area. (57.4-23M) Abated 10-27-77.

Notice No. 5, SIM Rule No. 71-1(c): Adjust tool rest on 1-5 shop stationary grinder. (57.14-8(b)M) Abated 10-27-77.

Notice No. 6, Section 63-28-9, NMSA: Extend fan bag in 500 drift to within 30 feet of face. Abated 10-27-77.

Notice No. 7, SIM Rule No. 75-2(c): Provide a junction box cover on panel in surface standby generator building. (57.12-32M) Abate by 10-31-77.

Notice No. 8, Section 63-21-1, IMSA: A test run of the emergency hoist facilities shall be done monthly and a log kept of the results. (57.11-50M) Abate by 10-31-77.

Notice No. 9, SIM Rule No. 71-1(c): Label switchboxes on electric panel across from the 1-5 fueling area. (57.12-18M) Abate by 10-31-77.

Company No. 3; Manufactured by Eimco; Type of vehicle - loader; passenger load - one; Kind of engine - Deutz; Cylinders - three; Engine No. 5659366; Model No. F3L912W; Serial No. 2008; Brake horsepower - 39; Typer of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 130° F.; CO - 8 PPM; NO2 - 2 PPM.

Issued Permit No. 570993.

ACKNOWLEDGEMENT

The courtesy and cooperation extended during this inspection are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

Approved:

. JOE D. LONGACRE, SR.

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RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR
MINING ENFORCEMENT AND SAFETY ADMINISTRATION
Metal and Normetal Mine Health and Safety

South Central District 1100 Commerce Street Dallas, Texas 75202

aspection No. 4 ection May 16, 1977

Ranchers Exploration Development Corporation Hope Mine P.O. Box 6217 Albuquerque, New Mexico 87107 Date(s) of Inspection No. _4

Date(s) of Inspection May 16, 1977

Inspector(s) Omer H. Sauvageau

Identification No. 29-01571

Air samples collected during the above-referenced inspection indicate the air was of satisfactory quality at the times and places of sampling.

TABLE 1 - ANALYSES OF AIR SAMPLES COLLECTED_

5-16-77

MINE ID 29-01571

MINE/MILL Hope Mine

COMPANY Rancher's Exploration

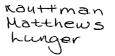
STATE

NM

O.H. Sauvageau COLLECTED BY

SUBDISTRICT OFFICE Albuquerque, NM DATE REC'D 5-23-77

		<u>'</u>						
BOTTLE NUMBER	LAB NUMBER	LOCATION IN MINE	DATE AND TIME	CARBON DIOXIDE	OXYGEN	METHANE	CARBON MONOX IDE	
14276	G7-1352	Exhaust Hole Bore	5-16-77 9:50	.07	20.88	.00	.0003	
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(Company representative present at inspection)



JOE D LONGACRE, SR STATE INSPECTOR OF MINES

(Classification of Mine)

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT 2340 MENAUL, N.E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107** 10-25-79



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

5-1 ch-1 AR-Z CUT-4

SAFETY & CHECKUP REPORT OF INSPECTION

1.D. No. 2901571 - H	ope Mine		Typed October 17, 1979
	and Development Corporat	ion { Mine	October 10, 1979 (Date of Inspection)
Uranium	McKinley		y, Mine Superintendent

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted

GENERAL INFORMATION

(County in which located)

Date of previous inspection: July 10, 1979

The operation is located in Poison Canyon some twelve miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment:		Company Officials:
Total	15	Paul Matthews, General Manager
Underground	13	Tim Hurley, Mine Superintendent
Surface	2 ,	Type of operation: modified room and pillar
Work Schedule:		Type of operation. Industried foolin and prival
Hours per day	8	Lost-time injuries to date: none
Shifts per day	1	- -
Days per week	5	First-aid training to date: 65%
8		

Fire drill held July 5, 1979

Ranchers Exploration and Development Corporation Inspection Party: Tim Hurley, Mine Superintendent

State of New Mexico

Charles D. Lunger, Deputy Inspector of Mines

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available. Employees are equipped with safety glasses and ear protection. A fully equipped ambulance is kept at the mine site. Escape routes are marked.

JOE D. LONGACRE, SR.

HOIST

Safety dogs on cage were tested, checked and found to be in good working order. Safety devices on the hoist were tested and checked and found to be in good working condition. Physical fitness records are up to date. Emergency hoist is checked every month. Last time checked was September 13, 1979. New ropes (cables) were istalled September 8, 1979, both sides.

EXPLOSIVES MAGAZINES

The surface explosive magazines were posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follow:

801 haulage drift - some 6,000 c.f.m. 854 drift heading - some 4,000 c.f.m.

DIESEL

Diesel units were checked for CO, NO2 and exhaust temperatures, the results are as follow:

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Company No. 3 loader; CO - 7 PPM; NO2 - 3 PPM; temperature - 120^{\circ} F. Company No. 1 loader; CO - 3 PPM; NO2 - 1 PPM; temperature - 120^{\circ} F. Company No. 2 truck; CO - 3 PPM; NO2 - 2 PPM; temperature - 125^{\circ} F. Company No. 3 truck; CO - trace; NO2 - 1 PPM; temperature - 115^{\circ} F.
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ABATEMENT OF NOTICES ISSUED 7-10-79

Notice No. 3, Section 69-35-6, NMSA; (57.3-22M) Abated 10-10-79.

Notice No. 4. SIM Rule No. 71-1(c); (57.9-5M) Abated 10-10-79.

Notice No. 5, SIM Rule No. 71-1(c); (57.9-5M) Abated 10-10-79.

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Notice No. 6, Section 69-35-6, NMSA; (57.3-22M) Abated 10-10-79.

Notice No. 7, Section 69-34-5, NMSA; (57.11-12M) Abated 10-10-79.

NOTICES ISSUED 10-10-79

Notice No. 1, SIM Rule No. 71-1(c): Rehang and insulate blasting line in 500 drift. (57.6-122M) Abated 10-10-79.

Notice No. 2, Section 69-35-6, NMSA: Provide additional ground support 801 stope before anymore work is performed. (57.3-22M) Abate by 10-12-79.

1.D. No. 2901571 - Hope Mine Ranchers Exploration and Development Corp. October 10, 1979 Page 3

Notice No. 3, Section 69-35-6, NMSA: Provide additional ground support in 854 and 856 drifts. (57.3-22M) Abate by 10-12-79.

Notice No. 4, SIM Rule No. 71-1(c): Provide "No Smoking or Open Flame" signs at oil storage on surface (fire hazard). (57.4-4M) Abate by 10-12-79.

The inspection and notices issued were discussed with Mr. Hurley after the completion of the inspection.

ACKNOWLEDGEMENT .

The courtesy and cooperation of Mr. Tim Hurley and all employees are hereby gratefully acknowledged.

Inspected and Reported by: Charles D. Lunger Deputy Inspector of Mines

Approved

JOE D. LONGACKE SR.

State Inspector of Mines

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JOE D. LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

REPORT OF INSPECTION

1.0. No. 2931571 - Ranchers Exploration	Nope Mine on and Development Co	Typed October 17, 1979 orporation (Mine) October 10, 1979
	(Name)	(Date of Inspection)
Uranlum	HcKInley	Tim Hurlay, Mine Superintendent
(Classification of Mine)	(County in which locat	ted) (Company representative present at inspection)
Pursuant to the Mining Law		Section 63-4-8, an inspection, as designated above, has been made. During this
	General	IMPORMATION
Date of previous le	aspection: July 10,	1979
Mexico. The operation	tion is owned and ope	yon some twelve miles northwest of Grants, ken praced by Ranchers Exploration and Development n was formerly operated by Kop-Ran Development
Employment:		Company Officials:
Total	15	Paul Matthews, Gonoral Hanager
Underground	13	Tim Hurley, Himo Superintendent
- Surfaçe		**************************************
Work Schedule:		Type of operation: modified room and pillar
Hours par day	8	Lost-time injuries to date: none
Shifts per day	Ĭ	East field intolers to datal cond
Days par week	5	First-aid training to date: 63%
Fire delli held Ju	Ϋ́y Ŝ. 1979	
Inspection Party:	Ranchers Exploration Tim Hurley, Hine Su	n and Bavelopment Corporation perintendent
•	State of New Mexico	
\ \	Charles D. Lunger.	Beputy Inspector of Hines

JOE D. LONGACRE, SR.

State Inspector of Mines

GENERAL HEALTH AND SAFEYY

site. Escape routes are warked.

Strotchers, blankots and first-aid kits are available. Employees are equipped with sofety glasses and ear protection. A fully equipped ambulance is kept at the mine

HOIST

Safety dogs on cage were tested, checked and found to be in good working order. Safety devices on the holst were tested and checked and found to be in good working condition. Physical fitness records are up to date. Emergency holst is checked every month. Last the checked was September 13, 1979. Hew ropes (cables) were istalled September 3, 1979, both sides.

EXPLOSIVES MAGAZINES

The surface explosive magazines were posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follows

80) houlage drift - some 6,000 c.f.m. 854 drift heading - some 4,000 c.f.m.

DIESEL

Diesel units were checked for CO, NO2 and exhaust temperatures, the results are esfollow:

```
Company No. 3 loader; CO - 7 PPM; NO2 - 3 PPM; temperature - 120^{\circ} F. Company No. 1 loader; CO - 3 PPM; NO2 - 1 PPM; temperature - 120^{\circ} F. Company No. 2 truck; CO - 3 PPM; NO2 - 2 PPM; temperature - 125^{\circ} F. Company No. 3 truck; CO - trace; NO2 - 1 PPM; temperature - 115^{\circ} F.
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ABATEMENT OF NOTICES ISSUED 7-10-79

Notice No. 3. Section 69-35-6, MMSA; (57.3-22H) Abouted 10-10-79.

Notice No. 4, SIN Rule No. 71-1(c): (57.9-5H) Abated 10-10-79.

Motice No. 5, SIN Rule No. 71-1(c); (57.9-5N) Abated 10-10-79.

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Notice No. 6, Section 59-35-6, NHSA; (57.3-22M) Abated 13-10-79.

Notice No. 7, Section 69-34-5, NMSA; (57.11-12M) Absted 10-10-79.

HOTICES ISSUED 10-10-79

Notice Ro. 1, SIM Kula No. 71pl(c): Renang and Insulate blasting line in 500 drift. (57.6-122M) Abated 10-10-79.

Notice No. 2, Section 63-35-6, MISA: Provide additional ground support 801 stope before anymore work is parformed. (57.3-22M) Abate by 10-12-79.

October 10, 1979 Page 3

Notice No. 3. Section 69-35-6, NHSA: Provide additional ground support in 654 and 856 drifts. (57.3-228) Abata by 10-12-79.

Notice No. 4, SIN Rule No. 71-1(c): Provide "No Smoking or Open Flame" signs at oil storage on surface (fire hazard). (57.4-4M) Abate by 10-12-73.

The inspection and motices issued ware discussed with Mr. Murley after the completion of the inspection.

ACKHOULEDODHENT

The courtesy and cooperation of Mr. The Murley and all employees are hereby gratefully acknowledged.

Inspected and Reported by: Charles D. Lunger Deputy Inspector of Minos

Approved

. JOE D. LONGACRE. SR.





JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO **INSPECTOR OF MINES DEPARTMENT**

2340 MENAUL, N.E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107** 8-22-79

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

I.D. No. 2901571 - Hope Mine Ranchers Exploration and Development Corporation (Name)

Typed July 18, 1979 July 10, 1979

Uranium

McKinley

Garth Logsdon, Mine Superintendent

(Classification of Mine)

(County in which located)

(Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: February 21, 1979

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kor-Ran Development Corporation.

	, ,	7.4	· · · · · · · · · · · · · · · · · · ·
Employment:		٠.	Company Officials:
Total	28	,	Paul Matthews, General Manager
Underground	25		Tim Hurley, Engineer
Surface	3 , , , , .	,-	Garth Logsdon, Mine Superintendent

Work Schedule:

Hours per day

Type of operation: modified room and pillar

Shifts per day Days per week

Fire drill: July 5, 1979

Lost-time injuries to date: none

First-aid training to date:

Ranchers Exploration and Development Corporation Inspection Party:

> Garth Logsdon, Mine Superintendent David Butler, Mechanical Supervisor

State of New Mexico

Charles D. Lunger, Deputy Inspector of Mines

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available. Employees are equipped with safety glasses and ear protection. A fully equipped ambulance is kept at the mine JOE D. LONGACRE, SR.

site. Escape routes are marked.

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1.4

HOIST

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Safety dogs on cage were tested, checked and found to be in good working order. Safety devices on the hoist were tested and checked and found to be in good working condition. Physical fitness records are up to date. Emergency hoist is checked every month. Last time checked was:June 26, 1979. Both ropes (cables) were cut on drum end on May 12, 1979.

EXPLOSIVES MAGAZINES

The surface explosive magazines were posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

• VENTILATION

Air readings were taken throughout the mine and the results are as follow:

701 west - some 2,800 c.f.m. 800 drift - some 9,500 c.f.m. 850 drift - some 2,300 c.f.m. 209 area - some 3,300 c.f.m.

DIESEL

Diesel units were checked for CO, NO2 and exhaust temperatures, the results are as follow:

Company No. 3 loader; CO - 5 PPM; NO2 - 2 PPM; temperature - 110° F. Company No. 3 truck; CO - 5 PPM; NO2 - 2 PPM; temperature - 115° F. Company No. 1 truck; CO - 3 PFM; NO2 - 4 PPM; temperature - 120° F.

ABATEMENT OF NOTICES ISSUED 2-21-79

Notice No. 3, Section 69-35-6, NMSA; (57.3-22M) Abated 7-10-79.

Notice No. 4, Section 69-35-6, NMSA; (57.3-22M) Abated 7-10-79.

ORDERS ISSUED 7-10-79

Order No. 1, Section 69-35-6, NMSA: Bolt and wire back before any more work is performed in 701 west (Red Tag Issued). (57.3-22M) Abated 7-10-79.

NOTICES ISSUED 7-10-79

Notice No. 1, Section 69-27-6, NMSA: "Keep Out - Open Stope" sign shall be posted at 209 stope. (57.5-28M) Abated 7-10-79.

Notice No. 2, Rules and Regulations Governing Diesel Equipment, Rule No. 4(b), Page 112: Provide sufficient ventilation before any more work is performed in 850 haulage drift. Abated 7-10-79.

Notice No. 3, Section 69-35-6, NMSA: Provide additional ground support at 500-700 intersection. (57.3-22M) Abate by 7-24-79.

Notice No. 4, SIM Rule No. 71-1(c): Provide horn on Company No. 3 loader. (57.9-5M) Abate by 7-24-79.

Notice No. 5, SIM Rule No. 71-1(c): Provide horn on Company No. 1 truck. (57.9-5M) Abate by 7-24-79.

Notice No. 6, Section 69-35-6, NMSA: Provide additional ground support in 209 access drift. (57.3-22M) Abate by 7-24-79.

Notice No. 7, Section 69-34-5, NMSA: Provide warning devices at slusher trench on 1-5 level at main shaft. (57.11-12M) Abate by 7-24-79.

The inspection and notices issued were discussed with Mr. Logsdon after the completion of the inspection.

ACKNOWLEDGEMENT

The courtesy and cooperation of Messrs. Logsdon and Butler and all employees are hereby gratefully acknowledged.

Inspected and Reported by: Charles D. Lunger

Deputy Inspector of Mines

. JOE D. LONGACRÉ/SR.

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STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107





JOE D LONGACRE, SR STATE INSPECTOR OF MINES OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

1.0. No. 2991571 - No. Ranchers Exploración s	e Hina and Development Corpora	tion f Hine	Typed July 18, 1979
(Nam	e)	{	(Date of Inspection)
Urani wa	HckInley Land	harth Logsdo	on, Mina Superintendent
(Classification of Mine)	(County in which located)	(Company represent	ative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: February 21, 1979

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Runchers Exploration and Development Corporation. The above named operation was formerly operated by KopeRan Development Corporation.

Employment: Total Underground	28 25	Company Officials: Paul Matthews, General Manager Tim Hurley, Engineer
Surface	3	
Hork Schedule:		
Hours per day	ß	Type of operation: modified room and pillar
Shifts per day	2 ,	·
hays per would	5	Fire drill: July 5, 1979
	to date:	none First-aid training to date: 80%
Inspection Party:	Ranchers E	byloration and Development Corporation

Garth Logsdon, Mine Superintendent

David Butler, Mechanical Supervisor

State of New Mexico.
Charles D. Lunger, Deputy Inspector of Hines

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available. Employees are equipped with safety glasses and ear protection. A fully equipped ambulance is kept at the mine

JOE D. LONGACRE, SR.

July 10, 1979 Page 2

site. Escape routes are warked.

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HOIST

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Safety dogs on cage were tested, checked and found to be in good working order. Safety devices on the holst were tested and checked and found to be in good working condition. Physical fitness records are up to date. Emergency holst is checked every month. Last time checked was June 25, 1979. Both ropes (cables) were cut on drum and on Hay 12, 1979.

EXPLOSIVES MAGAZINES

The surface explosive magazines were posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follow:

701 west - some 2,800 c.f.m. 800 drift - some 9,500 c.f.m. 850 drift - some 2,300 c.f.m. 209 area - some 3,300 c.f.m.

DIESEL

Diesel units were checked for CO, NO2 and exhaust temperatures, the results are as follow:

Company No. 3 loader; CO - 5 PPH; NO2 -2 PPH; temperature - 110° F. Company: No. 3 truck; CO - 5 PPM; NO2 - 2 PPH; temperature - 115° F. Company No. 1 truck; CO - 3 PPH; NO2 - 4 PPH; temperature - 120° F.

ABATEMENT OF NOTICES-ISSUED-2-21-79

Notice No. 3, Section 69-35-6, MMSA; (57.3-22N) Abated 7-10-79.

Notice No. 4, Section 69-35-6; NMSA; (57.3-22M) Abeted 7-19-79.

ORDERS ISSUED 7-10-79

Order No. 1, Section 69-35-6, NMSA: Bolt and wire back before any more work is performed in 701 west (Red Tag Issued). (57.3-22H) Abated 7-10-79.

MOTICES ISSUED 7-10-75

Notice No. 1, Section 69-27-6, HMSA: "Keep Out - Open Stope" sign shall be posted at 209 stope. (57.5-28M) Abated 7-10-79.

Notice No. 2, Adles and Regulations Soverning Diesel Equipment, Rule No. 4(b), Page 12: Provide sufficient ventilation before any more work is performed in 850 had age drift. Abated 7-10-79.

July 10, 1979 Page 3

Notice No. 3. Section 69-35-6, NMSA: Provide additional ground support at 500-700 intersection. (57.3-22M) Abate by 7-24-79.

Hotics Ho. 4, SIA Rule No. 71-1(c): Provide horn on Company No. 3 loader. (57.9-5H) Abate by 7-24-79.

Notice No. 5. 51% Rule No. 71-1(c): Provide horn on Company No. 1 truck. (57.9-5M) Abate by 7-24-79.

Notice No. 6, Section 59-35-6, MMSA: Provide additional ground support in 209 access drift. (57.3-228) Abate by 7-24-79.

Notice No. 7, Section 69-34-5. NASA: Provide warning devices at slusher trench on 1-5 level at main shuft. (57.11-12M) Abatu by 7-24-79.

The Inspection and notices issued were discussed with Mr. Logsdon after the completion of the inspection.

ACKNOWLEDGEMENT

The courtesy and cooperation of Mosers. Logsdon and Butler and all employees are hereby gratefully acknowledged.

inspected and Reported by: Charles B. Lunger Deputy inspector of Hines

Approved

JOE D. LONGACKE. SR.
State Inspector of Mines

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JOE D LONGACRE, SR STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E, Suite 106 Albuquerque, New Mexico 87107

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Safety First

Office Telephone 842-3055
Residence Phone 344-1129

State Inspector of Mines

PERMIT

Dat	te <u>March 13, 1979</u>)	No579	0990	
1.	Owner of Mine	Ranchers Explorati	on & Develor	oment Corpor	ation
2.	Name and location of M	nne Hope Mine, Grants,	NM		
3.	General Manager	A. Buchanan			
4.	Location in mine where e	equipment will be used — throu	ighout		
5.	Type of EquipmentCc	ompany No. 3; Manufactu	red by Young	n Machine: T	ype of vehicle -
tru	ick; passenger load	d - one; Kind of engine	- Deutz; C	/linders - f	our: Engine No.
5 <u>9</u> 4	16646; Model No. F	4L912W; Serial No. 5178	; Brake hors	sepower - 52	: Type of
		oped with horn, lights			
		emperature - 120° F.; Co			
6.	Period of time equipmen	it will be used in mine — indefir	nite		
7.	Effective date of permit	from February 28, 19	979	_ toinde	efinite
C	CONDITIONS				
1	State Mine Inspector Fa	ect to the related state mine laws a ulure to comply with these laws or osed by law, and such unit will be or	regulations auto	matically revokes	· ·
2	This permit will be renew	ed upon application to the office of	the State Mine In	spector	
3	This permit shall be kept i	in the Mine Office files and displaye	ed upon request o	f the State Mine I	nspector or any of his Deputies
4	This permit is Valid only for	or the Above Mine			Λ
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	БУ	Martinez ne Inspector		Jaroff L	magacia St

JOE D LONGACRE, SR. STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E , Suite 106 Albuquerque, New Mexico 87107

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PERMIT

Date _	March 13, 197	9	No _	5709	9 1
1. Ow	vner of Mine	Ranchers Explorat	ion and I	Development	Corporation
2. Na	me and location of M	nne Hope Mine, Grants	, им		
3. Ge	neral Manager	A. Buchanan			
4. Lo	cation in mine where	equipment will be used —	throughout		
5. Ty	pe of EquipmentC	ompany No. 1; Manufa	ctured by	y Young Mac	nine; Type of vehicle - truck;
passe	enger load - one	; Kind of engine - D	eutz; Cy	linders - fo	our; Engine No. 05552;
Model	No. F4L912W; S	erial No. S147; Brak	ke horsep	ower - 52;	Type of scrubber - PTX:
Equip	pped with horn,	lights - front and r	ear, bra	kes - foot a	and parking, fire
extin	nguisher: temper	ature - 1900 F.: CO	- 10 PPM	: NO2 - 3 PF	РМ
	<u> </u>			,	
	,				
	·				
6. Per	riod of time equipmer	nt will be used in mine — in	ndefinite		
7. Eff	fective date of permit	from Februa	ary 28, 1	979 to _	indefinite
CON	IDITIONS				
S	tate Mine Inspector. Fa		ws or regulati	ons automaticall	i regulations adopted by the office of the yerokes this permit and will subject the
2 T	his permit will be renew	red upon application to the offi	ce of the Stat	e Mine Inspector	
3 T	his permıt shall be kept	in the Mine Office files and dis	splayed upon	request of the St	ate Mine Inspector or any of his Deputies
4 T	his permit is Valid only f	or the Above Mine			
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В	yLorenzo	Martinez	`	Local	Kongrand De
_		ne Inspector		· s	Joe D Longacre, Sr state Inspector of Mines
					· <i>V</i>

JOE D LONGACRE, SR STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E , Suite 106 Albuquerque, New Mexico 87107

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PERMIT

Date	e <u>March 13, 1979</u>		No	57099	2
1. (Owner of Mine	Ranchers Explorat	ion and D	<u>evelopment</u>	Corporation
2. 1	Name and location of Mine_	Hope Mine, Grants	. NM		
3. (General Manager	A. Buchanan			
4. L	ocation in mine where equip	oment will be used — thro	oughout		
5. 1	Type of Equipment Compa	ny No. 2; Manufact	ured by Y	oung Machi	ne: Type of vehicle -
t <u>ru</u> c	ck; passenger load -	one; Kind of engine	e - Deutz	; Cylinder	s - four: Engine No.
5 <u>70</u>	5558; Model No. F4L91	2W; Serial No. S14	B; Brake	horsepower	- 52; Type of scrubber -
P <u>TX</u> ;	; Equipped with horn,	lights - front an	d rear. b	rakes - fo	ot and parking, fire
exti	inguisher; temperatur	e - 115° F.; CO -	12 PPM; N	02 - 2 PPM	•
6. F	Period of time equipment wil	l be used in mine — inde	finite		
7. E	Effective date of permit from	February 28,	1979	to	indefinite
C	ONDITIONS				
					
1	•	to comply with these laws of	or regulations	automatically i	regulations adopted by the office of the revokes this permit and will subject the
2	This permit will be renewed up	on application to the office o	of the State M	ine Inspector	
3	This permit shall be kept in the	Mine Office files and displa	yed upon requ	uest of the Stat	e Mine Inspector or any of his Deputies
4	This permit is Valid only for the	Above Mine			
) 1	2
	By Lorenzo Mar	tinez	×	sell ,	maresi) to
	Deputy Mine Ins				oe D Longacre, Sr

JOE D LONGACRE, SR STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E., Suite 106 Albuquerque, New Mexico 87107



PERMIT

Date March 13, 1979	No 5 7 0 9 9 3
1. Owner of Mine	Ranchers Exploration and Development Corporation
2. Name and location of Mine	Hope Mine, Grants, NM
B. General Manager	A. Buchanan
. Location in mine where equipr	ment will be used — throughout
. Type of Equipment <u>Compan</u>	y No. 3; Manufactured by Eimco: Type of vehicle - loader;
assenger load - one; Ki	nd of engine - Deutz; Cylinders - three; Engine No. 5659366;
lodel No. F3L912W; Seria	1 No. 2008; Brake horsepower - 39; Type of scrubber - PTX;
equipped with horn, ligh	ts - front and rear, brakes - foot and parking, fire
extinguisher: temperatur	e - 130° F.; CO - 8 PPM; NO2 - 2 PPM.
6. Period of time equipment will	
7. Effective date of permit from _	February 28, 1979 to indefinite
CONDITIONS	
State Mine Inspector Failure to	the related state mine laws and rules, procedures and regulations adopted by the office of the occupily with these laws or regulations automatically revokes this permit and will subject the y law, and such unit will be ordered out of mine
2 This permit will be renewed upo	on application to the office of the State Mine Inspector
3 This permit shall be kept in the	Mine Office files and displayed upon request of the State Mine Inspector or any of his Deputies
4 This permit is Valid only for the	Above Mine
By Lorenzo Mart Deputy Mine Insp	
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JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT 2340 MENAUL, N.E., SUITE 106

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107 3(30/79

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OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

DIESEL

REPORT OF INSPECTION

I.D. No. 2901571 Hope Mine (Ranchers Ex (Nam	ploration & Development Co	erg.) Mine	Typed March 13, 1979 February 28, 1973 (Date of Inspection)
Uran i um (Classification of Mine)	McKinley (County in which located)	(Company represen	tative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted:

GENERAL INFORMATION

This inspection was carried out in compliance with the New Mexico Mine Safety Code, Rule No. 12 of the Rules Governing Diesel Equipment in the underground mines for the State of New Nexico, to be placed in service in the Hope Mine underground, with the following characteristics was inspected:

Company No. 3; Manufactured by Young Machine; Type of vehicle - truck; passenger load - one; Kind of engine - Deutz; Cylinders - four; Engine No. 5946646; Model No. F4L912W; Serial No. 5178; Brake horsepower - 52; Type of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 120° F.; CO - 7 PPM; NO2 - 2 PPM.

Issued Permit No. 570990.

Company No. 1; Manufactued by Young Macnine; Type of vehicle - truck; passenger load - one; Kind of engine - Deutz; Cylinders - four; Engine No. 05552; Model No. F4L912W; Serial No. S147; Brake horsepower - 52; Type of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 110° F; CO - 10 PPM; NO2 - 3 PPM.

Issued Permit No. 570991.

Company No. 2; Manufactured by Young Machine; Type of vehicle - truck; passenger load - one; Kind of engine - Deutz; Cylinders - four; Engine No. 5705558; Model No. F4L912W; Serial No. S148; Brake horsepower - 52; Type of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 115° F.; CO - 12 PPM; NO2 - 2 PPM.

Issued Permit No. 570992.

JOE D. LONGACRE, SR.

I.D. No. 2901571 - Hope Mine Ranchers Exp. & Dev. Corp.

Company No. 3; Manufactured by Eimco; Type of vehicle - loader; passenger load - one; Kind of engine - Deutz; Cylinders - three; Engine No. 5659366; Model No. F3L912W; Serial No. 2008; Brake horsepower - 39; Typer of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 130° F.; CO - 8 PPM; NO2 - 2 PPM.

Issued Permit No. 570993.

ACKNOWLEDGEMENT

The courtesy and cooperation extended during this inspection are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

Approved

JOE D LONGACRE. SR.

State Inspector of Mines

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JOE D LONGACRE, SR STATE INSPECTOR OF MINES

2301 671

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

DIESEL

REPORT OF INSPECTION

Hope Hine (Ranchers Exploration & Developme (Name)		Corf.)	Hi na	February 28, 1979 (Date of Inspection)	
Uran i un (Classification of Mine)	McKinley (County in which located)	. (Co		ntative present at inspection)	

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made During this inspection the following was noted:

GENERAL INFORMATION

This inspection was carried out in compliance with the New Mexico Mine Safety Code, Rule No. 12 of the Rules Governing Diesel Equipment in the underground mines for the State of New Mexico, to be placed in service in the Hope Mine underground, with the following characteristics was inspected:

Company No. 3; Manufactured by Young Machine; Type of vehicle - truck; passenger load - one; Kind of engine - Dautz; Cylinders - four; Engine No. 5946646; Model No. F4L9124; Serial No. 5178; Brake horsepower - 52; Type of acrubber - PTK; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 1209 F.; CO - 7 PPM; NO2 - 2 PPM.

Issued Permit No. 570990.

Company No. 1; Manufactuad by Young Machine; Type of vehicle - truck; passenger load - one; Kind of engine - Deutz; Cylinders - four; Engine No. 05552; Model No. FAL912W; Serial No. 5147; Brake horsepower - 52; Type of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 110° F; CO - 10 FPM; NO2 - 3 PPM.

Issued Permit No. 570991.

Company No. 2; Manufactured by Young Machine; Type of vehicle - truck; passenger load - one; Kind of engine - Deutz; Cylinders - four; Engine No. 5705558; Model No. FAL912V; Serial No. 5148; Brake horsepower - 52; Type of scrubber - PTK; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 115° F.; CO - 12 PPH; HO2 - 2 PPM.

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JOE D. LONGACRE, SR.

Company Ho. 3; Manufactured by Elmco; Type of vehicle - loader; passenger load - one; Kind of engine - Dautx; Cylinders - three; Engine No. 5659366; Nodel No. F3L9124; Serial No. 2008; Brake horsepower - 39; Typer of scrubber - PTX; Equipped with horn, lights - front and rear, brakes - foot and parking, fire extinguisher; temperature - 130° F.; CO - 8 PPM; ND2 - 2 PPM.

Issued Percit No. 570993.

ACKHOWLEDGEMENT

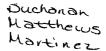
The courtesy and cooperation extended during this inspection are hereby gratefully acknowledged.

Inspected and Reported by: torenzy Martinez Deputy Inspector of Mines

ៀក្នុង

Approved

JOE D. LONGACRE SR.





JOED LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT 2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107

3130/79



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

Ranchers Exploration	e Mine & Development Corporation	S	Mine	Typed March 8, 1979 February 21, 1979
(Na	me)	\		(Date of Inspection)
Uranium	McKInley '	Gart	h Logsdon	, Mine Superintendent
(Classification of Mine)	(County in which located)	(Com	ipany represent	tative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made During this inspection the following was noted

GENERAL INFORMATION

Date of previous inspection: November 13, 1978

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment:		Company Officials:
Total	27	Paul Matthews, General Manager
Underground	24	Tim Hurley, Engineer
Surface -	3	Garth Logsdon, Mine Superintendent
Work Schedule:	ı	
Hours per day	8	Type of operation: modified room and pillar
Shifts per day	2	
Days per week		Fire drill: November 8, 1978
Lost-time injuri	es in 1979: none	First-aid training to date: 90%
Mine telephone:	287-7012	

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

State of New Mexico

Lorenzo Martinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

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N___

February 21, 1979 Page 2

GENERAL HEALTH AND SAFETY

Stretchers, blankets, and first-aid kits are available. Employeed are equipped with safety glasses and ear protection. A fully equipped ambulance is kept at the mine site. Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working order. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date. Emergency hoist is checked every month. Last time checked was June 17, 1978.

EXPLOSIVES MAGAZINES

The surface explosive magazines were posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follow:

702 east drift - some 6,500 c.f.m.
605 drift - some 6,000 c.f.m.
407 drift - some 7,000 c.f.m.
900 (no ventilation - closed)

DIESEL

Diesel units were checked for CO, NO2 and exhaust temperatures, results are as follow:

No. 1 truck; CO - 5 PPM; NO2 - 2 PPM; temperature - 1200 F.

No. 2 truck; in shop for repairs.

No. 2 loader; in shop for repairs.

No. 1 loader; in shop for repairs.

ABATEMENT OF ORDER ISSUED 11-13-78

Order No. 2, SIM Rule No. 71-1(c); (57.9-3M) Abated 2-21-79.

ABATEMENT OF NOTICES ISSUED 11-13-78

Notice No. 3, Section 63-28-6, NMSA; (57.3-22M) Abated 2-21-79.

Notice No. 4, Section 63-28-6, NMSA; (57.3-22M) Abated 2-21-79.

NOTICES ISSUED 2-21-79

Notice No. 1, SIM Rule No. 71-1(c): A "Keep Out" sign shall be provided in 701 east drift for no ventilation. (57.5-28M) Abated 2-21-79.

February 21, 1979 Page 2

Notice No. 2, SIM Rule No. 71-2(c): Gate on transformer next to shop on surface shall be closed and locked. (57.12-68M) Abated 2-21-79.

Notice No. 3, Section 69-35-6, NMSA: Additional ground support shall be provided in 600 and 605 intersection on ribs. (57.3-22M) Abate by 2-22-79.

Notice No. 4, Section 69-35-6, NMSA: Additional ground support shall be provided in 500 drift 200 feet from elec. station. (57.3-22M) Abate by 2-22-79.

The inspection and notices issued were discussed with Mr. Logsdon after the inspection.

ACKNOWLEDGEMENT

The courtesy and cooperation of Messrs. Logsdon and Magana and all employees contacted, are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

jmz

L. A. Quinones

Approved

JOE D. LONGACRE SR.

Acting

JOE D LONGACRE, SR STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E , Suite 106 Albuquerque, New Mexico 87107



PERMIT

Date <u>March 13, 1979</u>	No
1. Owner of Mine	Ranchers Exploration & Development Corporation
2. Name and location of Mine _	Hope Mine, Grants, NM
3. General Manager	A. Buchanan
4. Location in mine where equip	ment will be used — throughout
5. Type of Equipment Compa	ny No. 3; Manufactured by Young Machine: Type of vehicle -
truck; passenger load -	one; Kind of engine - Deutz; Cylinders - four; Engine No.
5946646; Model No. F4L91	2W; Serial No. 5178; Brake horsepower - 52: Type of
scrubber - PTX; Equipped	with horn, lights - front and rear, brakes - foot and parking,
fire extinguisher; tempe	rature - 120° F.; CO - 7 PPM; NO2 - 2 PPM.
6. Period of time equipment will7. Effective date of permit from	be used in mine — indefinite February 28, 1979 to indefinite
CONDITIONS	
State Mine Inspector. Failure	the related state mine laws and rules, procedures and regulations adopted by the office of the to comply with these laws or regulations automatically revokes this permit and will subject the y law, and such unit will be ordered out of mine
2 This permit will be renewed up	on application to the office of the State Mine Inspector
3 This permit shall be kept in the	Mine Office files and displayed upon request of the State Mine Inspector or any of his Deputies
4. This permit is Valid only for the	Above Mine
By Lorenzo Ma Deputy Mine Ins	THE STATE OF THE S

JOE D LONGACRE, SR STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E , Suite 106 Albuquerque, New Mexico 87107

jmz



PERMIT

Date	March 13, 1979 No. 570991
1. O	wner of Mine Ranchers Exploration and Development Corporation
	ame and location of Mine Hope Mine, Grants, NM
3. G	eneral Manager A. Buchanan
4. Lo	ocation in mine where equipment will be used — throughout
5. Ty	ype of EquipmentCompany No. 1; Manufactured by Young Machine; Type of vehicle - truck;
pass	enger load - one; Kind of engine - Deutz; Cylinders - four; Engine No. 05552;
Mode	1 No. F4L912W; Serial No. S147; Brake horsepower - 52; Type of scrubber - PTX;
Equi	pped with horn, lights - front and rear, brakes - foot and parking, fire
	eriod of time equipment will be used in mine — indefinite February 28, 1979 toindefinite
CO	NDITIONS
8	This permit is issued subject to the related state mine laws and rules, procedures and regulations adopted by the office of the State Mine Inspector. Failure to comply with these laws or regulations automatically revokes this permit and will subject the violator to sanctions imposed by law, and such unit will be ordered out of mine
2 .	This permit will be renewed upon application to the office of the State Mine Inspector
3. 1	This permit shall be kept in the Mine Office files and displayed upon request of the State Mine Inspector or any of his Deputies
4 1	This permit is Valid only for the Above Mine
I	By Lorenzo Martinez July Lorenzo Martinez
	Deputy Mine Inspector Joe D Longacre, Sr. State Inspector of Mines

JOE D LONGACRE, SR STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N E , Suite 106 Albuquerque, New Mexico 87107



PERMIT

Dat	e <u>March 13, 1979</u>		No	0992		
1. (Owner of Mine	Ranchers Explora	tion and Devel	opment Cor	poration	
	Name and location of Mine _	Hope Mine, Grant	s rih	-		
2. 1	Name and location of Mine_					
3. (General Manager	A. Buchanan				
4. I	Location in mine where equip	ment will be used — th	roughout			
5.	Type of Equipment Compa	ny No. 2; Manufac	tured by Young	Machine:	Type of vehicle -	
tru	ck; passenger load -	one; Kind of engi	ne - Deutz; Cy	linders -	four: Engine No.	
570 <u>.</u>	5558; Model Ho. F4L91	2W: Serial No. Si	48: Brake hors	epower - '	52: Type of scrubbe	er =
	; Equipped with horn,					
<u>کد</u>	inguisher; temperatur	8 + 115 F.; CU -	12 PPM; NOZ =	Z PPM.		
			· · · · · · · · · · · · · · · · · · ·			
						
6.	Period of time equipment wil	l be used in mine — inc	definite			
7.	Effective date of permit from	February 28	, 1979	_toinc	definite	
С	CONDITIONS					
1	This permit is issued subject to State Mine Inspector Failure violator to sanctions imposed it	to comply with these laws	s or regulations auton	natically revoke		
2	This permit will be renewed up	on application to the offici	e of the State Mine Ins	pector		
3	This permit shall be kept in the	Mine Office files and disp	olayed upon request of	the State Min	e Inspector or any of his De	puties
4	This permit is Valid only for the	Above Mine				
				A 🗻	2	1
	By Lorenzo Mar		tal	W.	mark) +	<u> </u>
	Deputy Mine Ins	pector			Longacre, Sr	~ - b

JOE D LONGACRE, SR. STATE INSPECTOR OF MINES Energy and Minerals Department Bureau of Mine Inspection 2340 Menaul, N.E., Suite 106 Albuquerque, New Mexico 87107



State Inspector of Mines

PERMIT

Date	March 13, 1979	No. 570993
1. Owner o	of Mine	Ranchers Exploration and Development Corporation
2. Name ar	nd location of Mine	Hope Mine, Grants, NM
3. General	Manager	A. Buchanan
4. Location	n in mine where equipme	nt will be used — throughout
5. Type of	Equipment Company	No. 3; Manufactured by Eimco; Type of vehicle - loader;
passenge	r load - one; Kind	of engine - Deutz; Cylinders - three; Engine No. 5659366;
Model No	. F3L912W; Serial	No. 2008; Brake horsepower - 39; Type of scrubber - PTX;
Equipped	with horn, lights	- front and rear, brakes - foot and parking, fire
extingui	sher; temperature	- 130° F.; CO - 8 PPM; NO2 - 2 PPM.
6. Period o	of time equipment will be	used in mine — indefinite
7. Effective	e date of permit from	February 28, 1979 to indefinite
CONDITIO	ONS:	
State M	line Inspector. Failure to c	e related state mine laws and rules, procedures and regulations adopted by the office of the comply with these laws or regulations automatically revokes this permit and will subject the law, and such unit will be ordered out of mine.
2. This pe	rmit will be renewed upon a	application to the office of the State Mine Inspector.
3. This per	rmit shall be kept in the Mir	ne Office files and displayed upon request of the State Mine Inspector or any of his Deputies.
4. This per	rmit is Valid only for the Ab	ove Mine.
Ву:	Lorenzo Martir Deputy Mine Inspec	- I CONTAIN T

3 6/Mac Londer DO NOT USE! THIS EQUIPMENT NOT TO BE USED UNTIL THE FOLLOWING HAS BEEN CORRECTED. Foot BAARE is Repaired Hand Broke By order of Joe D. Longacre, Sr. State inspector of Mixes (over) by Deputy THIS EQUIPMENT NOT TO BE USED UNTIL THE FOLLOWING HAS BEEN CORRECTED. Dun 140.51 By order of Joe D. Longacre, Sr. State Inspector of Mine by Deputy (over) # 2 ElMAC LOAdor DO NOT USE! THIS EQUIPMENT NOT TO BE USED

UNTIL THE FOLLOWING HAS CORRECTED.

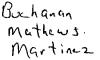
Foot Brake

By order of Joe D. Longacre, Sr. State Inspector of Mines by Deputy / W/au

(over)

Dote 7-5-28 Mine Hope Company Birsche Exploration fo DeV. Address Orents N. mx Date 1/- 13-18 Time 9.'80 Mine Hope Company Ronches Explos + Dev. Address Orants N. mx Time // 0 5 Date 7: 5-78 Mine Hope Gompany Broken Explosorm + Del.

Address Grant N. mil.





JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107** 7-6-79-

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

1. D. No.	2901571 - Hope Mine	
(Ranchers	Exploration & Development Corporati	on)
	(Name)	

Mine

Typed November 27, 1978 November 13, 1978 (Date of Inspection)

Uranium (Classification of Mine)

McKinley (County in which located) ..Garth..Logsdon, Mine Superintendent . (Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: July 5, 1978

The operation is located in Poison Canyon some 12 miles northwest of Grants, NM. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment:

Total 24 Underground 21

Surface 3 Company Officials:

Paul Matthews, General Manager

_Tim_Hurley, Engineer_____

Garth Logsdon, Mine Superintendent

Work Schedule:

Hours per day Shifts per day

Days per week, 5

Type of Operation: modified room and pillar

Fire Drill: 7-6-78

Lost-time injuries to date: one,1978

First-aid training to date:

Mine Telephone: 287-7012

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

State of New Mexico

Lorenzo Martinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

November 13, 1978 Page 2

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date. Emergency hoist is checked every month. Last time checked was June 17, 1978.

EXPLOSIVES MAGAZINES

The surface exp(losive magazines are posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follows:

400 drift some 6,500 c.f.m.

504 drift some 6,000 c.f.m.

306 drift some 7,000 c.f.m.

700 drift some 6,500 cff.m.

DIESEL

Diesel units were checked for CO, NO2 and exhaust temperatures; the results are as follows:

No. 1 loader, CO - 7 P.P.M., NO₂ - 2 P.P.M., temperature - 115° F. No. 2 loader, CO - 10 P.P.M., NO₂ - 3 P.P.M., temperature - 120° F.

No. 2 truck, CO - 12 P.P.M., NO_2 - 2 P.P.M., temperature - 1200F. No. 1 truck, CO - 8 P.P.M., NO_2 - 2 P.P.M., temperature - 115° F.

ABATEMENT OF ORDERS ISSUED 7-5-78

Order No. 1, SIM Rule No. 71-1(c); (57.9-3M) Abated 11-13-78.

Order No. 2, SIM Rule No. 71-1(c); (57.9-3M) Abated 11-13-78.

Order No. 3, SIM Rule No. 76-1(c); (57.9-37M) Abated 11-13-78.

ABATEMENT OF NOTICES ISSUED 7-5-78

Notice No. 9, Section 63-28-6, NMSA; (57.3-22M) Abated 11-13-78.

Notice No. 10, Section 63-28-6, NMSA; (57.3-22M) Abated 11-13-78.

November 13, 1978 Page 3

ORDERS ISSUED 11-13-78

Order No. 1, SIM Rule No. 71-2(c): Lower limits shall be repaired and In working condition at all times on mancage in shaft (red tag). (57.14-120M) Abated 11-13-78.

Order No. 2, SIM Rule No. 71-1(c): Foot brake shall be repaired on No. 1 truck. (red tag) (57.9-3M) Abate by 11-16-78.

NOTICES ISSUED 11-13-78

Notice No. 1, Section 63-27-8, NMSA: A frame ground shall be provided on fan in 500 drift. (57.12-25M) Abated 11-13-78.

Notice No. 2, SIM Rule No. 71-3(c): Fire extinguisher shall be replaced on No. 3 loader. (57.4-23M) Abated 11-13-78.

Notice No. 3, Section 63-28-6, NMSA: Additional ground support shall be provided in 702 east drift. (57.3-22M) Abate by 11-16-78.

Notice No. 4, Section 63-28-6, NMSA: Additional ground support shall be provided in 504 drift. (57.3-22M) Abate by 11-16-78.

The inspection and notices issued were discussed with Mr. Logsdon after the inspection.

ACKNOWLEDGMENT

The courtesy and cooperation of Messrs. Logsdon and Magana and all employees contacted, are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

Approved

. JOE D. LONGAGRE. SR.

JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107**



OFFICE TELEPHONE 842-3055 **RESIDENCE PHONE 344-1129**

SAFETY & CHECKUP REPORT OF INSPECTION

1. 9. No. 2901571 - Hope Mine (Ranchers Exploration & Development Corporation) (Name)

Hine

Typed Hovember 27, 1375 Hovember 11, 1978 (Date of Inspection)

Uranlum (Classification of Mine)

Mckinley (County in which located)

Garth Logsdon, Mine Superiotendent. (Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: July 5, 1978

The operation is located in Polson Canyon some 12 miles northwest of Grants, MA. The operation is owned and operated by Banchers Exploration and Development Corporation. The above nemed operation was formarly operated by Kop-Ram Davalop. ment Corporation.

Employment.

Total 24

Underground 21

Surface 3 Company Officials:

Paul Hattuawa, General Managor

Tim Hurley, Engineer

- Corth Logsdon, Mino-Superiatendent - -

Work Schedule:

llours per day Shifts per day 2

Days per week

Type of Operation: andifice room and piller

Fire Delli: 7-6-78

Lost-titz injuries to date: one 1978

First-aid training to date: 1303

Mine Telephone. 287-7012

Inspection Party: Ranchers Exploration and Davelopment Corporation

Garth Logsdon, illne Superintendent

State of New Mexico

Lorenzo Hartinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

1. D. No. 2901571 - Hope Alne (fanchers Exploration and Development Corp.)

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are svallable.

Employees are equipped with safety glasses and car protection.

A fully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the holst were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical figness records are up to date. Emergency hoist is checked every month. Last time checked was June 17, 1978.

EXPLOSIVES HAGAZINES

The surface explosive magazines are posted and grounded. The explosive magazine was sot on blocks during the last inspection. Someone has used a setting torch and removed the undercerriage from the engazine.

VEHTILATION

Air readings were taken throughout the mine and the results are as follows:

400 drift some 6.500 c.f.m.

504 drift some 6.000 c.f.m.

306 drift same 7,000 c.f.m.

700 drift some 6,500 cff.n.

DIESEL

Dicant units were checked for CO, NO2 and exhaust temperatures, the results are su follors.

Mo. 1 loador, CO - 7 f.P.M., MOy - 2 P.P.M., temperature - 1150f.

No. 2 londer, C0 - 10 P.P.H., 10°_2 - 3 P.P.M., temperature - 120°P. No. 2 truck, C0 - 12 P.P.M., 10°_2 - 2 P.P.M., temperature - 120°F.

No. 1 truck, CO - 6 P.P.M., AUg - 2 P.P.M., temporoture - 115°F.

ABATEMENT OF ORDERS ISSUED 7-5-73

Order 80. 1, 518 Rule 80. 71-1(c): (57.9-38) Abated 11-13-78.

Order so. 2, SIN Rule No. 71-1(c), (57.9-3M) Abated 11-13-76.

Order No. 3, SIN Rule No. 70-1(c); (57.9-37H) Abated 11-13-78.

ABAYEMENT OF NUTICES ISSUED 7-5-78

Notice No. 9. Section 63-78-6, NUSA; (57.3-22H) Abated 11-13-78.

Notice Ho. 10, Section 63-25-6, HMSA; (57.3-22M) Abeted 11-13-78.

November 13, 1976 Page 3

GROERS ISSUED 11-13-78

Order No. 1, SIM Rule No. 71-2(c): Lower limits shall be repaired and in working condition at all times on mancage in shart (red tag). (57.14-120H) Noated 11-13-73.

Order: No. 2, SIM Aulo No. 71-1(c): Foot brake shall be repaired on No. 1 truck. (red tag) (57.9-3N) Abate by 11-16-78.

HOTICES ISSUED 11-13-78

Notice No. 1, Section 63-27-8, NMSA: A frame ground shall be provided on fan in 500 drift. (57.12-250) Abatud 11-13-78.

Hotica Ho. 2, SIH Rule No. 71-3(c): Fire extinguisher that be replaced on No. 3 loader. (57.4-23H) Abated 11-13-78.

Notice No. 3. Section 63-26-6. NMSA: Additional ground support shall be provided in 702 east drift. (57.3-224) Abute by 11-16-78.

Hotice No. 4, Section 63-28-6, HRSA: Additional ground support shall be provided in 50% drift. (37.3-22M) Abote by 11-16-78.

The Inspection and notices issued were discussed with Mr. Logsdon efter the Inspection.

ACKNOWLEDGRENT

The courtesy and comporation of Hessrs. Legaden and Magane and all employees contacted, are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

JOE D. LONGACRE SR.

State Inspector of Mines

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JOE D LONGACRE, SR STATE INSPECTOR OF MINES

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

STATE OF NEW MEXICO **INSPECTOR OF MINES DEPARTMENT**

2340 MENAUL, N.E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107**

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SAFETY & CHECKUP REPORT OF INSPECTION

1. D. No. 2901571 - Hope Mine Ranchers Exploration & Development Corporation)

Mine

Typed July 21, 1978

Uranium (Classification of Mine)

Employment:

McKinley (County in which located)

Garth Lagsdon, Mine Superintendent. (Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made During this inspection the following was noted.

GENERAL INFORMATION

Date of previous inspection: February 14, 1978

The operation is located in Poison Canyon some 12 miles northwest of Grants, NM. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Develop ment Corporation.

Employment:		Company Officials:
Total	31	Paul Matthews, General Manager
Underground	28	Tim Hurley, Engineer
Surface	3	Garth Logsdon, Mine Superintendent
Work Schedule:		Type of Operation: modified room and pillar
Hours per day	8	modified room and pillar
Shifts per day Days per week	´ 2	
Days per week	5	Fire drill: December 14, 1977; one due 7-6-78
	,	

Lost-time injuries to date: 1978-none First-aid training to date: 65%

Mine Telephone: 287-7012

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

State of New Mexico

Lorenzo Martinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

July 5, 1978 Page 2

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date. Emergency hoist is checked every month. Last time checked was June 17, 1978.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VENTILATION

Air readings were taken throughout the mine and the results are as follows:

```
503 west drift some 7,000 c.f.m.
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500 drift some 8,500 c.f.m.

605 drift some 7,500 c.f.m.

603 drift some 6,250 c.f.m.

412 drift some 8,000 c.f.m.

DIESEL

Diesel units were checked for ${\rm CO}$, ${\rm NO}_2$ and exhaust temperature, the results are as follows:

```
No. 2 loader, CO - 8 P.P.M., NO<sub>2</sub> - 1 P.P.M., temperature - 120°F.
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No. 3 loader, CO - 5 P.P.M., NO2 - 2 P.P.M., temperature - 120°F.

No. 1 truck, CO - 12 P.P.M., NO₂ - 2 P.P.M., temperature - 115°F.

No. 2 truck, CO - 7 P.P.M., NO₂ - 2 P.P.M., temperature - 112°F.

ABATEMENT OF ORDERS ISSUED 2-14-78

Order No. 1, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

Order No. 2, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

Order No. 3, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

Order No. 4, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

ABATEMENT OF NOTICES ISSUED 2-14-78

Notice No. 4, SIM Rule No. 71-1(c); (57.12-18M) Abated 7-5-78.

Notice No. 5, SIM Rule No. 71-1(c); (57.6-122M) Abated 7-5-78.

Notice No. 6, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

Notice No. 7, SIM Rule No. 71-3(c); (57.4-23M) Abated 7-5-78.

ORDERS ISSUED 7-5-78

Order No. 1, SIM Rule No. 71-1(c): Foot brake shall be replaced on No. 3 loader. (Red Tagged). (57.9-3M) Abate by 7-12-78.

Order No. 2, SIM Rule No. 71-1(c): Foot brake shall be repaired on No. 2 loader (Red Tagged). (57.9-3M) Abate by 7-12-78.

Order No. 3, SIM Rule No. 76-1(c): Hand brake shall be repaired on No. 3 loader (Red Tagged). (57.9-37M) Abate by 7-12-78

NOTICES ISSUED 7-5-78

Notice No. 1, SIM Rule No. 74-2(c): An I.D. tag shall be provided for employeee working in 605 drift (send to surface). (57.11-58M) Abated 7-5-78.

Notice No. 2, Section 63-28-9, NMSA: Vent bag shall be 30 feet from face in 605 drift. Abated 7-5-78.

Notice No. 3, Section 63-26-4, NMSA: Vent bag shall be provided in 503 drift before setting up machine for drilling. Abated 7-5-78.

Notice No. 4, SIM Rule No. 74-2(c): An I.D. tag shall be provided for employee working in 503 drift (send to surface). __(57.11-58M)...Abated-7-5-78....

Notice No. 5, Section 63-4-12, NMSA: Oil shall be cleaned from under hoist drum in hoist building. (57.4-50M) Abated 7-5-78.

Notice No. 6, Section 63-28-91 NMSA: A sign for amount of people to ride cage shall be posted at the collar of shaft and at each shaft level station. Abated 7-5-78.

Notice No. 7, Section 63-27-9(b), NMSA: Dry lumber or rubber mat shall be provided on ground next to power boxes in surface shop. (57.12-20M) Abated 7-5-78.

Notice No. 8, Section 63-28-9, NMSA: Vent bag shall be repaired in 412 drift 50 feet from face. Abated 7-5-78.

Notice No. 9, Section 63-28-6, NMSA: Additional ground support shall be provided in 503 drift. (57.3-22M) Abate by 7-12-78.

Notice No. 10, Section 63-28-6, NMSA: Additional ground support shall be provided in 500 drift. (57.3-22M) Abate by 7-12-78.

1. D. No. 2901571 - Hope Mine Ranchers Exploration & Development Corporation July 5, 1978 Page 4

The inspection and notices issued were discussed with Mr. Logsdon after the inspection.

ACKNOWLEDGMENT

The courtesy and cooperation of Messrs. Logsdon and Magana and all employees contacted, are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines JOE D. LONGACKE SR.

JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107



7

OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP REPORT OF INSPECTION

1. D. No. 2901571 - Hope Mine
Ranchers Explaration & Development corporation)

Mine

Typed July 21, 1978
July 5, 1978
July 5 inspection)

Uranium (Classification of Mine)

McKinley

(County in which located)

.. Gerth Logsdon, Mine Superintendent

(Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted.

GENERAL INFORMATION

Date of previous inspection: February 14, 1978

The operation is located in Poison Canyon some 12 miles northwest of Grants, NM. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment: Total	31	Company Officials: Paul Metthews, General Manager
Underground	28	Tim Hurley, Engineer
Surface	3	Garth Logsdon, Hine Superintendent
Work Schedule:		Type of Operation: modified room and ollier
Hours per day	8	Type of Operation: modified room and pillar
Shifts per day	2	
Days per week	5	Fire drill: December 14, 1977; one due 7-6-78
, ,		•

Lost-time injuries to date: 1978-none First-aid training to date: 65%

Mine Telephone: 287-7012

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

State of New Hexico Lorenzo Martinez, Deputy InSpector of Mines

JOE D. LONGACRE, SR.

GENERAL HEALTH AND SAFETY ...

Stretchers, blankets and first-ald kits are available.

Employees are equipped with safety glasses and ear protection.

Asfully equipped ambulance is kept at the mine site.

Escape routes are marked.

HOIST

Safety dogs on cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and found to be in good working condition. Both ropes (cables) were changed 10-22-77. Physical fitness records are up to date. Emergency hoist is checked every month. Last time checked was June 17, 1978.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted and grounded. The explosive magazine was set on blocks during the last inspection. Someone has used a cutting torch and removed the undercarriage from the magazine.

VEHTILATION

Air readings were taken throughout the mine and the results are as follows:

503 west drift some 7,000 c.f.m.

500 drift some 8,500 c.f.m.

605 drift some 7,500 c.f.m.

603 drift some 6,250 c.f.m.

412 drift some 0,000 c.f.m.

DIESEL

Diesel units were checked for CO, NO_2 and exhaust temperature, the results are as follows:

No. 2 loader, CO - 8 P.P.M., NO₂ - 1 P.P.M., temperature - 126°F.

No. 3 loader, CO - 5 P.P.M., NO2 - 2 P.P.M., temperature - 120°F.

No. 1 truck, CO - 12 P.P.N., NO₂ - 2 P.P.H., temperature - 1150F.

Mo. 2 truck, CO - 7 P.P.M., NO2 - 2 P.P.M., temperature - 1120F.

AGATEMENT OF ORDERS ISSUED 2-14-78

Order No. 1, Section 63-28-6, MMSA, (57.3-22M) Abated 7-5-78.

Order No. 2, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

Order No. 3, Section 63-28-6, MMSA; (57.3-22M) Abated 7-5-78.

Order No. 4, Section 63-28-6, NMSA: (57.3-22M) Abated 7-5-78.

ABATEMENT OF NOTICES ISSUED 2-14-78

Notice No. 4, SIM Rule No. 71-1(c): (57.12-18M) Abated 7-5-78.

Notice No. 5, SIM Rule No. 71-1(c); (57.6-122M) Abated 7-5-73.

Motice No. 6, Section 63-28-6, NMSA; (57.3-22M) Abated 7-5-78.

Notice No. 7, SIH Rule No. 71-3(c); (57.4-23M) Abated 7-5-78.

ORDERS ISSUED 7-5-78

Order No. 1, SIM Rule No. 71-1(c): Foot brake shall be replaced on No. 3 loader. (Red Tagged). (57.9-3H) Abate by 7-12-78.

Order No. 2, SIM Rule No. 71-1(c): Foot brake shall be repaired on No. 2 loader (Red Tagged). (57.9-3M) Abate by 7-12-78.

Order No. 3, 51M Rule No. 76-1(c): Hand brake shall be repaired on No. 3 loader (Red Tagged). (57.9-37M) Abate by 7-12-78

NOTICES ISSUED 7-5-78

Notice No. 1, SIM Rule No. 74-2(c): An I.D. tan shall be provided for employeee working in 605 drift (send to surface). (57.11-58H) Abated 7-5-78.

Notice No. 2, Section 63-28-9, NMSA: Vent bag shall be 30 feat from face in 605 drift. Abated 7-5-78.

Hotice No. 3, Section 63-26-4, HNSA: Vent bag shall be provided in 503 drift before setting up machine for drilling. Abated 7-5-78.

Notice No. 4. SIM Rule No. 74-2(c): An I.D. tag shall be provided for employee working in 503 drift (send to surface). (57.11-58M) Abated 7-5-73.

Notice No. 5, Section 63-4-12, NMSA: Oil shall be cleaned from under heist drum in holst building. (57.4-59M) Abated 7-5-78.

Notice No. 6, Section 63-28-91 NMSA: A sign for amount of people to ride cage shall be posted at the collar of shaft and at each shaft level station. Abated 7-5-78.

Notice No. 7. Section 63-27-9(b), MMSA: Dry lumber or rubber mat shall be provided on ground next to power boxes in surface shop. (57.12-20M) Abated 7-5-78.

Notice No. 3, Section 63-28-9, NMSA: Vent bag shall be repaired in 412 drift 50 feat from face. Abated 7-5-78.

Notice No. 9, Section 63-28-6, NMSA: Additional ground support shall be provided in 503 drift. (57.3-22M) Abate by 7-12-78.

Notice No. 10, Section 63-26-6, NMSA: Additional ground support shall be provided in 500 drift. (57.3-22M) Abate by 7-12-78.

1. D. No. 2901571 - Hope Mine Ranchers Exploration & Development Corporation

July 5, 1978 Page 4

The inspection and notices issued were discussed with Mr. Logsdon after the inspection.

ACIONONLEDGMENT

The courtesy and cooperation of Massrs. Logsdon and Hagana and all amployees contacted, are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Hartinez Deputy Inspector of Mines

Approved /

JOE D LONGACRE. SR State Inspector of Mines

Daw Meiler

UNITED STATES DEPARTMENT OF THE INTERIOR MINING ENFORCEMENT AND SAFETY ADMINISTRATION Metal and Nonmetal Mine Health and Safety

57 - UG N - 04

South Central District

1100 Commerce Street AUG 2 2 1971 Dallas, Texas

75242

29-01571

Ranchers Exploration and Development Corporation Identification No. Inspection Date(s):

Inspection No. 5

July 25-26, 1977

P.O. Box 6217

Albuquerque, New Mexico 87107

HEALTH AND SAFETY INSPECTION REPORT

This report is based on an inspection made pursuant to Section 4 of the Federal Metal and Nonmetallic Mine Safety Act (80 Stat. 772).

Company: Ranchers Exploration and Development Corpo	oration
line Name: Hope Mine	Telephone No. 505/287-7012
City: Grants County:McKinley Location: _12 miles north of Grants	State: New Mexico
Type of !'ine: <u>Underground</u> Mining Method: Room-and-Pi	illar Product: <u>Uranium</u>
Fo. of Employees: 31 Work Schedule: Hours/shift 8	Shifts/day 2 Days/week 5
Miguel A. Bernal, Metal and No	onmetal Mine Inspector
Company Official: Paul Mathews, General Manager	
Inion Representative(s): None	
Inspection Party: Garth Logsdon, Mine Superinter Alfred Magana, Electrician For Edward Earl Roney, Deputy Insp	reman
Remarks: No. of LAST SAFETY NOTICE Issued No. of LAST ORDER Issued No. of LAST HEALTH NOTICE Issued No. of OUTSTANDING NOTICES No. of DISABLING INJURIES-]976 2	Date Issued Date Issued Date Issued
Lost time accident(s): No. this calendar year 1 ATF: No() Yes(x) - Compliance(x) Noncompliance(Permit: No() Yes(x) - Permit Number ' Date of last fire drill (Underground mines only): May Part 58: Compliance(x) Noncompliance() - Action ta) 26 , 1977
Date of last Self-Rescuer Training: March 15, 1977 Date of last Mine Emergency Training: March 15, 1977 Due to newness of mine superintendent, he has no knowled Advised him to start his own records for future reference A State Plan Agreement was in effect in New Mexico duri	ce

Air samples were collected during this inspection and have been sent to MESA laboratory facilities for analysis. A supplement to this report will be prepared when analytical results of these samples are received.

VIOLATIONS ELIMINATED DURING THE INSPECTION

The symbol (SN) indicates a State Notice and (SO) indicates a State Order was written and abated by the deputy inspector of mines during this inspection. Mandatory standards are indicated by (M) after the reference number.

- (SN) 57.4-4(M); The flammable liquids in the surface warehouse were not stored in a fireproof cabinet.
- (SN) 57.14-1(M); The universal coupling on the hoist motor was not guarded.
- (SN) 57.14-1(M); The pulleys on the surface standby generator were not guarded.
- (SN) 57.12-32(M); The cover for the junction box in the surface standby generator building was missing.
- (SN) 57.12-34(M); The light bulbs at the 1-5 level near station were not guarded.
- (SN) 57.19-45(M); A bonnet was not provided on top of cage for riding or working.
- (SN) 57.11-50(M); A secondary escapeway was not provided for emergency purpose.
- (SN) 57.4-4(M); The gas container was removed.
- (SN) 57.4-23(M); Fire extinguisher was replaced.
- (SN) 57.15-5(M); A safety belt with line was worn.
- (SN) 57.4-33(M); Compressed gas cylinders were turned off.
- (SN) 57.4-23(M); Fire extinguisher was replaced.
- (SN) 57.4-23(M); Fire extinguisher was replaced.
- (SN) 57.4-4(M); Trash was removed.
- (SN) 57.9-87(M); Backup alarm was repaired.

- (SN) 57.11-12(M); The manhole cover was put in place.
- (SN) 57.6-1(M); Explosives were removed from 1-5 level station.
- (SN) 57.13-21(M); A safety chain was installed.
- (SN) 57.6-92(M); Explosives were removed.
- (SN) 57.6-1(M); Detonators were returned to main magazine.
- (SN) 57.4-4(M); Trash was removed from cap magazine.
- (SN) 57.4-4(M); Trash was removed from explosives magazine.
- (SN) 57.4-4(M); Drill oil was removed from 1-5 station.
- (SN) 57.3-22(M); Scale was removed from rib of 400 drift.
- (SN) 57.6-27(M); A cover was installed on the explosives magazine of the 400 drift.
- (SN) 57.12-25(M); A secondary ground was installed.
- (SN) 57.12-32(M); A junction box cover was installed.
- (SN) 57.6-20(e) (M); Ground wire was reconnected on surface detonator magazine.
- (SN) 57.6-20(e)(M); Ground wire was installed on the surface explosives magazine.
- (SN) 57.4-4(M); Used oil outside of air compressor room was removed.
- (SN) 57.4-2(M); "No Smoking or Open Flames" signs were posted.
- (SN) 57.4-2(M); "No Smoking or Open Flames" signs were posted.

VIOLATIONS COVERED BY PROMULGATED STANDARDS

Violations on which the deputy inspector of mines took action are indicated by symbol (SN) for State Notice and (SO) for State Order preceding the violation. Mandatory standards are indicated by (M) after the reference number.

(SO) 57.6-47(M); The front-end loader being used to transport explosives in dipper was not lined or provided with a wooden box.

- (SN) 57.12-20(M); The electric control panel at the 1-5 level shop was not provided with a wooden platform or insulated mat on the floor.
- (SN) 57.16-5(M); Compressed gas cylinders were not properly secured in an upright position.
- (SN) 57.14-1(M); The protruding shaft on the emergency hoist motor was not guarded.
- (SN) 57.14-1(M); The left side of the long-hole machine was not guarded.

NINC Romery

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR MINING ENFORCEMENT AND SAFETY ADMINISTRATION Metal and Normetal Mine Health and Safety

South Central District 1100 Commerce Street Dallas, Texas 75202 BIAN MAN DEPRETOR

Ranchers Exploration and Development
Corporation
Hope Mine
P.O. Box 6217
Albuquerque, New Mexico 87107

SUPPLEMENT To Inspection No. 5
Date(s) of Inspection July 25-26, 1977

Inspector(s) Miguel A. Bernal

Identification No. 29-01571

Air samples collected during the above-referenced inspection indicate the air was of satisfactory quality at the times and places of sampling.

7/25/77 TABLE 1 - ANALYSES OF AIR SAMPLES COLLECTED MINE ID Ranchers Expioration Development
Corp. STATE HOPE MINE New Mexico MINE/MILL 8/1/77 COLLECTED BY M. A. Bernal Dallas, TX SUBDISTRICT OFFICE DATE REC'D

	·							
BOTTLE NUMBER	LAB NUMBER	LOCATION IN MINE	DATE AND TIME	CARBON DIOXIDE	OXYGEN	METHANE	CARBON MONOX IDE	
13308	G7-1922	400 drift face	7/25/77 1:15 pm	.05	20.89	.00	.0000	
13310	G7-1923	318 pillar strip east	1:45 pm	.09	20.87	.00	.0008	
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DATE_AUG 0 3 1977

Denver Technical Support Center

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UNITED STATES DEPARTMENT OF THE INTERIOR
MINING ENFORCEMENT AND SAFETY ADMINISTRATION
Metal and Nonmetal Mine Health and Safety
South Central District
1100 Commerce Street
Dallas, Texas 75202



Ranchers Exploration and Developm	ment SUPPLEMENT To Inspection No. 4	_
Corporation	Date(s) of Inspection May 15-16, 1977	_
Hope Mine		_
P.O. Box 6217	Inspector(s) Omer H. Sauvageau	_
Albuquerque, New Mexico 87107		
• • •	Identification No. 29-01571	_

Dust sampling results and other pertinent data included in the attached table.

Sampling Method

The dust concentration results included in this report were obtained by the gravimetric dust sampling method. Results are milligrams of respirable dust per cubic meter of air (mg/m^3) .

The dust sampling equipment used consisted of an air pump, 37 mm diameter, 5 micron pore size filter, and a 10 mm cyclone dust classifier in series with the filter. All components were interconnected by tubing and/or fittings to maintain a negative pressure at the cyclone inlet. Sampling equipment was of the "personal" type and the cyclone and accompanying filter assembly were located in the breathing zone of each person sampled.

As air was drawn through the sampling device, the respirable dust was deposited on the filter, with the coarser dust being dropped into the grit pot of the cyclone.

The equipment used met the requirements of the American Conference of Governmental Industrial Hygienists for "respirable" dust sampling and was operated at an air flow rate of 1.7 liters per minute. The flow rate of the apparatus was checked prior to use and was periodically checked during sampling to ensure that the flow rate was maintained.

Each filter was weighed prior to and after sampling, with the difference in weight being the amount of dust collected on the filter.

Free silica (alpha quartz) analyses were made from the respirable fraction of dust deposited on the filter. The sample location and the results obtained are shown in the appended table(s).

Threshold Limit Value (TLV)

The 1973 edition of "Threshold Limit Values of Airborne Contaminants and Physical Agents", as published by the American Conference of Governmental Industrial Hygienists, was the source of the applicable Threshold Limit Values. The TLV, in mg/m^3 , is the limiting value for exposure to silicabearing dust for a 7 to 8-hour workday.

The TLV's were calculated for each sample from the following equation:

TLV (in
$$mg/m^3$$
) = $\frac{10}{\% \text{ SiO}_2 + 2}$

The Time Weighted Average (TWA) concentrations were calculated from the following equation:

TVA Conc
$$(mg/m3) = \frac{Dust \ veight \ (mg)}{flow \ rate \ (lit./min.) \ x \ time \ (min.) \ x \ .001 \ m^3/lit.}$$

TNA concentrations exceeding the TLV indicate overexposure.

Mine ID No.	29-01571		Date: <u>Ma</u>	y 16, 1977	Product	: Uran	ium	
Mine Name:	Hope Mine							
	Method of Det	ermination			Type of Samp	le Analy	zed	
	X-Ray Dif	fraction			Welding : ■	Fume		
	Other				Total Ai	rborne D	ust	
			-		X Respirab	le Airbo	rne Dust	-
Name and Social Security No.	Occupation and Location	Date Sampled, Sample No.	Sampling Time (min.)	Contaminant	Contaminant Amount	Sample Weight (mg)	TLV (mg/m ³)	TWA Conc. (m5/m3).
Stan Henry	Miner 500 Stope	05/16/77 Filter No. 556	477	Silica	*			
Ron Pemelton	Miner 404 Drift	05/16/77 Filter No. 551	479	Silica	상			
David Chavez	Skip Tender Station	05/16/77 Filter No. 552	480	Sılica	*			
Jerry Kinkade	Loader Operator General Mine	05/16/77 Filter No. 553	480	Silica	1.08	.551	3.24	.68
Ron Johnson	Miner 316 South Stope	05/16/77 Filter No. 555	478	Silica	1.89	.371	2.57	.46
*Insignificant	amount detected during	ng the sampling	period.					
THE ABOVE CALCU	LATED TLV(s) APPLIES	ONLY TO THE PER	SON INDICATED	ON THE DAY SAMP	LED.			
1			{ 					

INFORMAL INSPLCTIONS OR VISITS

	5 .	8-4-77	
	Date_	8 - 7 - 7	· · · · · · · · · · · · · · · · · · ·
Hope mine (flame and Mine)		(County)	
(Name and Mine)		(County)	
Ranchers Exploration a	end	Development	
(Name and address of indi-	vidual	or company operating	mine)
lature of visit and remarks thereo	n: <i>We</i>	nt to check the	Two orders
issued by Mr Roney on	7-20	6-77, Company.	has
lature of visit and remarks thereon issued by Mr. Roney on Complied with the a	roler		
7	···		
_			
	n	Januel Duran	1 -
\$ ₇₀₀ .		Deputy Inspector of	Mines

THIS EQUIPMENT NOT TO BE USED UNTIL THE FOLLOWING HAS BEEN CORRECTED

Joe D. Longacre, Sr.

tate inspector of Mines by Deputy Sall

DO NOT USE!

THIS EQUIPMENT NOT TO BE USED UNTIL THE FOLLOWING HAS BEEN

By order of Joe D. Longacre, Sr.

State Inspector of Mines by Deputy OM Ton

(over)

NC Date 7-25-77 Time 1:55 PM

WG Mine Soldse Company Pendens Siplonation & Dailing LO. Address Grants & M. AUG 8 1977 25-77 Time 10:530, M Company Rentherio pporationed Dev Corp Address Gents, n.m.



JOE D LONGACRE, SR STATE INSPECTOR OF MINES

1. D. No. 2901571 - Hope Mine

matthews Mesa martiner STATE OF NEW MEXICO

D14.1

Roner

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

Typed August 1, 1977

5-1 CL-1 cease-2

SAFETY & CHECKUP

REPORT OF INSPECTION

INSPECTOR OF MINES DEPARTMENT 2340 MENAUL, N.E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107** 9-19-77-

(Ranchers Explorat	ion and Development Co (Name)	rp.)
((Name)	(Date of Inspection)
Uran i um (Classification of Mine)	McKinley (County in which located)	
Pursuant to the Mining Law nspection the following was no		non 63-4-8, an inspection, as designated above, has been made. During t
	GENERAI	LINFORMATION
Date of previous i	nspection: March 29,	1977.
Mexico. The opera	tion is owned and opera The above named opera	n some 12 miles northwest of Grants, New ated by Ranchers Exploration and Develop- tion was formerly operated by Kop-Ran
Employment:		Company Officials:
Total	31	Paul Matthews, General Manager
Underground	27	Tim Hurley, Engineer
Surface	4	Garth Logsdon, Mine Superintendent

Work Schedule:

Hours per day 8

Shifts per day 2

Days per week 5 Garth Logsdon, Mine Superintendent

Type of operation: modified room & pillar

Fire drill: May 26, 1977

Lost-time injuries to date: none First-aid training to date: 50%

Mine telephone: 287-7012

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent

Al Magana, Electrical Foreman

JOE D. LONGACRE, SR.

July 25,26, 1977 Page 2

Mining Enforcement and Safety Administration
Mike Bernal, Metal and Nonmetal Mine Inspector

State of New Mexico
Earl Roney, Deputy Inspector of Mines

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped amublance is kept at the mine site.

HOIST

Safety dogs on the cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and after minor adjustments were found to be in good working condition.

Cables on the cage and counterweight were cut on both ends 7-23-77.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted. The ground wires on the cap magazine had to be reconnected. The powder magazine was not grounded. The powder magazine is mounted on wheels and could be pulled away, this was corrected.

DIESEL

The following diesel units were tested and checked and the results are as follows: No. I Youngbuggy, CO - 10 P.P.M., NO² - no trace, exhaust temperature - 100°F.; No. 2 Youngbuggy, CO - 25 P.P.M., NO² - a trace, exhaust temperature - 98°F., Eimco No. 1 front-end loader, CO - 20 P.P.M., NO² - no trace, exhaust temperature - 110°F.

VENTILATION

In order to be in compliance with the State and Federal Safety Standards, the cubic feet of air per minute required for the diesel units being used underground are 3,300. Each man shall be provided with an additional 500 c.f.m.

Air flow from the fan bags at various locations was checked and the results are as follows: 400 drift some 4,100 c.f.m.; 321 N.W. drift some 1,700 c.f.m.; 500 drift some 1,800 c.f.m.

ABATEMENT OF NOTICES ISSUED 3-10-77

Notice No. 18, SIM Rule No. 74-3(2a); (57.11-53M) Abated 3-17-77.

____Notice No. 19, Section 63-25-7, NMSA; (57.6-27M) Abated 3-17-77.

ABATEMENT OF ORDER ISSUED 3-29-77

Order No. 1, Section 63-26-4, NMSA; Abated 7-26-77.

ABATEMENT OF NOTICES ISSUED 3-29-77

Notice No. 4, Section 63-28-6, NMSA; (57.3-22M) Abated 7-26-77.

Notice No. 5, Section 63-28-20, NMSA; (57.15-1M) Abated 7-26-77.

Notice No. 6, Section 63-28-6, NMSA; (57.3-22M) Abated 7-26-77.

ORDERS ISSUED 7-26-77

Order No. 1, Rule No. 3, Page 119: Provide a vehicle to transport explosives on surface that meets State and Federal Safety Standards. (57.6-47M) Abate by 8-2-77.

Order No. 2, Rules No. 7, Page 124: Wire back and stop advancement in 318 pillar stope east for 10 days. Employee was more than 10 feet ahead of permanent ground support and had most of drift round drilled out. Abate by 8-3-77.

NOTICES ISSUED 7-26-77

Notice No. 1, SIM Rule No. 71-1(c): Remove five gallon gasoline can from standby generator room (fire hazard). (57.4-4M) Abated 7-26-77.

Notice No. 2, Section 63-28-9, NMSA: Remove wire from wrist pin on top of cage and secure properly. Abated 7-26-77.

Notice No. 3, SIM Rule No. 71-3(c): Replace discharged fire extinguisher near shaft collar. (57.4-23M) Abated 7-26-77.

Notice No. 4, SIM Rule No. 71-2(c): Employee riding on top of cage shall wear a safety belt. (57.15-5M) Abated 7-26-77.

Notice No. 5, SIM Rule No. 71-1(c): Provide a "no smoking" or "open flame" sign for oil storage area on 1-5 level. (57.4-2M) Abated 7-26-77.

Notice No. 6, SIM Rule No. 71-2(c): Unattended compressed gas cylinders shall be turned off and the hoses shall be bled. (57.4-33M) Abated 7-26-77.

Notice No. 7, SIM Rule No. 71-3(c): Replace fire extinguisher on No. 1 Youngbuggy. (57.4-23M) Abated 7-26-77.

Notice No. 8, SIM Rule No. 71-3(c): Replace fire extinguisher on No. 1 front-end loader. (57.4-23M) Abated 7-26-77.

Notice No. 9, SIM Rule No. 71-1(c): Remove trash from the 1-5 shop. (57.4-4M) Abated 7-26-77.

Notice No. 10, SIM Rule No. 76-1(c): Provide a back-up alarm for the 950 Caterpillar front-end loader. (57.9-87M) Abated 7-26-77.

Notice No. 11, Section 63-28-5, NMSA: Cover opening to air and water valves near shaft collar. (57.11-12M) Abated 7-26-77.

Notice No. 12, Section 63-25-1, NMSA: Remove water gel from 1-5 station. (57.6-1M) Abated 7-26-77.

Notice No. 13, SIM Rule No. 75-1(c): Provide a safety tie from live end of air hose in 408 crosscut. (57.13-21M) Abated 7-26-77.

Notice No. 14, SIM Rule No. 71-2(c): Remove deteriorated explosives from 400 drift. (57.6-92M) Abated 7-26-77.

Notice No. 15, Section 63-25-1, NMSA: Put electric caps in the 400 drift in the 1-5 cap magazine. (57.6-1M) Abated 7-26-77.

Notice No. 16, SIM Rule No. 71-1(c): Remove trash from around the 1-5 cap magazine. (57.4-4M) Abated 7-26-77.

Notice No. 17, SIM Rule No. 71-1(c): Remove trash from around the 400 drift explosives magazine. (57.4-4M) Abated 7-26-77.

Notice No. 18, SIM Rule No. 71-1(c): Remove drill oil from the 1-5 station. (57.4-4M) Abated 7-26-77.

Notice No. 19, Section 63-28-9, NMSA: Extend fan bag to within 30 feet of face in 400 drift. Abated 7-26-77.

Notice No. 20, Section 63-28-6, NMSA: Scale ribs in 400 feet drift before mucking. (57.3-22M) Abated 7-26-77.

Notice No. 21, Section 63-25-7, NMSA: Provide a cover for explosives for the 400 drift. (57.6-27M) Abated 7-26-77.

Notice No. 22, Section 63-27-8, NMSA: Provide a secondary ground for the portable Lincoln ore welder. (57.12-25M) Abated 7-26-77.

Notice No. 23, SI MRule No. 75-2(c): Replace junction box cover on hoist motor. (57.12-32M) Abated 7-26-77.

Notice No. 24, Section 63-25-2, NMSA: Reconnect ground wires on surface cap magazine. (57.6-20(e)M) Abated 7-26-77.

Notice No. 25, Section 63-28-9, NMSA: Immobilize surface explosives magazine. Abated 7-26-77.

Notice No. 26, Section 63-25-2, NMSA: Ground surface explosives magazine. (57.6-20(e)M) Abated 7-26-77.

Notice No. 27, SIM Rule No. 71-1(c): Remove used oil from open container outside compressor room. (57.4-4M) Abated 7-26-77.

Notice No. 28, SIM Rule No. 71-1(c): Provide a "no smoking" or "open flame" sign for surface oil storage area. (57.4-2M) Abated 7-26-77.

Notice No. 29, SIM Rule No. 71-1(c): 'Provide a "no smoking" or "open flame" sign at diesel fueling area. (57.4-2M) Abated 7-26-77.

Notice No. 30, SIM Rule No. 71-1(c): Secure compressed gas cylinders at surface storage area. (57.16-5M) Abate by 8-2277.

Notice No. 31, Section 63-28-16, NMSA: Guard protruding shaft on emergency hoist motor. (57.14-1M) Abate by 8-2-77.

Notice No. 32, Section, 63-28-16, NMSA: Guard fan pulleys on surface standby generator. (57.14-1M) Abate by 8-2-77.

Notice No. 33, SIM Rule No. 75-2(c): Provide a junction box cover on panel in surface standby generator building. (57.12-32M) Abate by 8-2-77.

Notice No. 34, Section 63-4-12, NMSA: Guard two light bulbs on 1-5 level near station. (57.12-34M) Abate by 8-2-77.

Notice No. 35, Section 63-28-9, NMSA: Provide a dust control device for the 1-5 shop grinder. Abate by 8-2-77.

Notice No. 36, SIM Rule No. 71-1(c): Provide a bonnet above cage when riding or working on top of cage. (57.19-45M) Abate by 8-9-77.

Notice No. 37, Section 63-28-16, NMSA: Provide a guard for the left side of the long hole machine. (57.14-1M) Abate by 8-9-77.

Notice No. 38, SIM Rule No. 71-1(c): Provide a metal cabinet for spray paint and other flammables in surface warehouse. (57.4-4M) Abate by 8-9-77.

Notice No. 39, Section 63-28-16, NMSA: Guard universal coupling on hoist motor. (57.14-1M) Abate by 8-2-77.

Notice No. 40, SIM Rule No. 74-3(c): Provide escape route signs for the 1-5 level. (57.11-53M) Abate by 8-2-77.

Notice No. 41, Section 63-27-9(b), NMSA: Provide an insulating mat under electric control panel in the 1-5 shop. (57.12-20M) Abate by 8-2-77.

The notices issued were discussed with Messrs. Magana and Logsdon, after the inspection was completed.

ACKNOWLE DGMENT

The courtesy and cooperation extended throughout and after the inspection are hereby gratefully acknowledged.

Inspected and Reported by: Earl Roney Deputy Inspector of Mines

Approved

OE D. LONGAGRE. SR.



JOE D LONGACRE, SR STATE INSPECTOR OF MINES

matthews mera martiner

Roney

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

S-2 CL-1 CMT-3 AR-3 CEG52-2

SAFETY & CHECKUP

REPORT OF INSPECTION

STATE OF NEW MEXICO

2340 MENAUL, N.E., SUITE 106
ALBUQUERQUE, NEW MEXICO 87107 9 - 19 - 77

••	_		Hope Mine on and Development C 	orp.)	{	Mine	Typed August 1, 1977 July 25,26, 1977 (Date of Inspection)
	Uranium (Classificati	on of Mine)	McKinley (County in which locate	d)			Mine Superintendent

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: March 29, 1977.

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment: Total Underground Surface	31 27 4	Company Officials: Paul Matthews, General Manager Tim Hurley, Engineer Garth Logsdon, Mine Superintendent
Work Schedule: Hours per day	8	Type of operation: modified room & pillar
Shifts per day Days per week	2 5	Fire drill: May 26, 1977
Lost-time injuries	to date: none	First-aid training to date: 50%
	_	

Mine telephone: 287-7012

Inspection Party: Ranchers Exploration and Development Corporation

Garth Logsdon, Mine Superintendent Al Magana, Electrical Foreman

JOE D. LONGACRE, SR.

July 25,26, 1977 Page 2

Mining Enforcement and Safety Administration
Mike Bernal, Metal and Nonmetal Mine Inspector

State of New Mexico
Earl Roney, Deputy Inspector of Mines

GENERAL HEALTH AND SAFETY

Stretchers, blankets and first-aid kits are available.

Employees are equipped with safety glasses and ear protection.

A fully equipped amublance is kept at the mine site.

HOIST

Safety dogs on the cage were tested, checked and found to be in good working condition. Safety devices on the hoist were tested and checked and after minor adjustments were found to be in good working condition.

Cables on the cage and counterweight were cut on both ends 7-23-77.

EXPLOSIVES MAGAZINES

The surface explosive magazines are posted. The ground wires on the cap magazine had to be reconnected. The powder magazine was not grounded. The powder magazine is mounted on wheels and could be pulled away, this was corrected.

DIESEL

The following diesel units were tested and checked and the results are as follows: No. 1 Youngbuggy, CO - 10 P.P.M., NO² - no trace, exhaust temperature - 100°F.; No. 2 Youngbuggy, CO - 25 P.P.M., NO² - a trace, exhaust temperature - 98°F., Eimco No. 1 front-end loader, CO - 20 P.P.M., NO² - no trace, exhaust temperature - 110°F.

VENTILATION

In order to be in compliance with the State and Federal Safety Standards, the cubic feet of air per minute required for the diesel units being used underground are 3,300. Each man shall be provided with an additional 500 c.f.m.

Air flow from the fan bags at various locations was checked and the results are as follows: 400 drift some 4,100 c.f.m.; 321 N.W. drift some 1,700 c.f.m.; 500 drift some 1,800 c.f.m.

ABATEMENT OF NOTICES ISSUED 3-10-77

Notice No. 18, SIM Rule No. 74-3(2a); (57.11-53M) Abated 3-17-77.

Notice No. 19, Section 63-25-7, NMSA; (57.6-27M) Abated 3-17-77.

ABATEMENT OF ORDER ISSUED 3-29-77

Order No. 1, Section 63-26-4, NMSA; Abated 7-26-77.

ABATEMENT OF NOTICES ISSUED 3-29-77

Notice No. 4, Section 63-28-6, NMSA; (57.3-22M) Abated 7-26-77.

Notice No. 5, Section 63-28-20, NMSA; (57.15-1M) Abated 7-26-77.

Notice No. 6, Section 63-28-6, NMSA; (57.3-22M) Abated 7-26-77.

ORDERS ISSUED 7-26-77

Order No. 1, Rule No. 3, Page 119: Provide a vehicle to transport explosives on surface that meets State and Federal Safety Standards. (57.6-47M) Abate by 8-2-77.

Order No. 2, Rules No. 7, Page 124: Wire back and stop advancement in 318 pillar stope east for 10 days. Employee was more than 10 feet ahead of permanent ground support and had most of drift round drilled out. Abate by 8-3-77.

NOTICES ISSUED 7-26-77

Notice No. 1, SIM Rule No. 71-1(c): Remove five gallon gasoline can from standby generator room (fire hazard). (57.4-4M) Abated 7-26-77.

Notice No. 2, Section 63-28-9, NMSA: Remove wire from wrist pin on top of cage and secure properly. Abated 7-26-77.

Notice No. 3, SIM Rule No. 71-3(c): Replace discharged fire extinguisher në shaft collar. (57.4-23M) Abated 7-26-77.

Notice No. 4, SIM Rule No. 71-2(c): Employee riding on top of cage shall wear a safety belt. (57.15-5M) Abated 7-26-77.

Notice No. 5, SIM Rule No. 71-1(c): Provide a "no smoking" or "open flame" sign for oil storage area on 1-5 level. (57.4-2M) Abated 7-26-77.

Notice No. 6, SIM Rule No. 71-2(c): Unattended compressed gas cylinders shall be turned off and the hoses shall be bled. (57.4-33M) Abated 7-26-77.

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Notice No. 9, SIM Rule No. 71-1(c): Remove trash from the 1-5 shop. (57.4-4M) Abated 7-26-77.

Notice No. 10, SIM Rule No. 76-1(c): Provide a back-up alarm for the 950 Caterpillar front-end loader. (57.9-87M) Abated 7-26-77.

i. D. No. 2901571 - Hope Mine (Ranchers Exploration and Development Corp.)

Notice No. 11, Section 63-28-5, NMSA: Cover opening to air and water valves near shaft collar. (57.11-12M) Abated 7-26-77.

Notice No. 12, Section 63-25-1, NMSA: Remove water gel from 1-5 station. (57.6-1M) Abated 7-26-77.

Notice No. 13, SIM Rule No. 75-1(c): Provide a safety tie from live end of air hose in 408 crosscut. (57.13-21M) Abated 7-26-77.

Notice No. 14, SIM Rule No. 71-2(c): Remove deteriorated explosives from 400 drift. (57.6-92M) Abated 7-26-77.

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Notice No. 27, SIM Rule No. 71-1(c): Remove used oil from open container outside compressor room. (57.4-4M) Abated 7-26-77.

Notice No. 28, SIM Rule No. 71-1(c): Provide a "no smoking" or "open flame" sign for surface oil storage area. (57.4-2M) Abated 7-26-77.

July 25,26, 1977 Page 5

Notice No. 29, SIM Rule No. 71-1(c): 'Provide a "no smoking" or "open flame" sign at diesel fueling area. (57.4-2M) Abated 7-26-77.

Notice No. 30, SIM Rule No. 71-1(c): Secure compressed gas cylinders at surface storage area. (57.16-5M) Abate by 8-2£77.

Notice No. 31, Section 63-28-16, NMSA: Guard protruding shaft on emergency hoist motor. (57.14-1M) Abate by 8-2-77.

Notice No. 32, Section, 63-28-16, NMSA: Guard fan pulleys on surface standby generator. (57.14-1M) Abate by 8-2-77.

Notice No. 33, SIM Rule No. 75-2(c): Provide a junction box cover on panel in surface standby generator building. (57.12-32M) Abate by 8-2-77.

Notice No. 34, Section 63-4-12, NMSA: Guard two light bulbs on 1-5 level near station. (57.12-34M) Abate by 8-2-77.

Notice No. 35, Section 63-28-9, NMSA: Provide a dust control device for the 1-5 shop grinder. Abate by 8-2-77.

Notice No. 36, SIM Rule No. 71-1(c): Provide a bonnet above cage when riding or working on top of cage. (57.19-45M) Abate by 8-9-77.

Notice No. 37, Section 63-28-16, NMSA: Provide a guard for the left side of the long hole machine. (57.14-1M) Abate by 8-9-77.

Notice No. 38, SIM Rule No. 71-1(c): Provide a metal cabinet for spray paint and other flammables in surface warehouse. (57.4-4M) Abate by 8-9-77.

Notice No. 39, Section 63-28-16, NMSA: Guard universal coupling on hoist motor. (57.14-1M) Abate by 8-2-77.

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Notice No. 41, Section 63-27-9(b), NMSA: Provide an insulating mat under electric control panel in the 1-5 shop. (57.12-20M) Abate by 8-2-77.

The notices issued were discussed with Messrs. Magana and Logsdon, after the inspection was completed.

ACKNOWLEDGMENT

The courtesy and cooperation extended throughout and after the inspection are hereby gratefully acknowledged.

Inspected and Reported by: Earl Roney Deputy Inspector of Mines

Approved

OE D. LONGAGRE. SR.



JOE D LONGACRE, SR STATE INSPECTOR OF MINES

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107

5-24-77

5-1 5-AR cmp-2 Cl-1 Mathews Musa J. Marting

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP

REPORT OF INSPECTION

I.D. No. 2901571 - Hop (Ranchers Exploration	e Mine and Develpment Corp.)	ſ	Mine	Typed April 6, 1977 March 29, 1977 (Date of Inspection)
(Nai	ne)	· {		(Date of Inspection)
Uran i um (Classification of Mine)	McKinley (County in which located)			erintendent ntative present at inspection)
Pursuant to the Mining Laws o	f the State of New Mexico, Section 63-4	-8, an ins	pection, as design	nated above, has been made. During this

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted:

GENERAL INFORMATION

Date of previous inspection: January 21, 1977

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment:		Company Officials:
Total	25	David Imrie, Superintendent (temporarily)
Underground	22	Humberto Gonzales, Walker
Surface	3	Tim_Hurley, Engineer
	-	Paul Matthews, General Manager
Work Schedule:		, and the same of
Hours per day	8	Type of operation: modified room & pillar
Shifts per day		,, ,
Days per week	5	Fire drill: January 24, 1977
Lost-time injurie	s to date: none	First-aid training to date: 70%
Mine telephone:	287-7012	,
inspection Party:	Ranchers Exploration and	d Development Corp.

State of New Mexico

A. Diffie, Superintendent

Lorenzo Martinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

HOIST

The emergency holst is a Vulcan hoist, 75 HP, 440 volts, 3 phase, 1 speed, 1,160 RPM, low speed 166 RPM, high speed 280 RPM, 12,600 lbs. weight, non-rotating 8x17 7/8 cable. Adaily log is kept on the hoist. The headframe is 54 feet and it is 47 feet from the collar of the shaft to the center of the sheave wheel. An ingersoll Rand, 2 drum, 550 volts, 150 HP hoist has been constructed. This is the permanent hoist, as it has been installed and is in use. It has a inch non-rotating cable and a 7/8 cable on the counter balance. All the safety devices on the holst and safety dogs on the cage are in good working condition.

A second emergency holst has been installed at the new vent hole. The hoist is a Vulcan Denver hoist and is operated by a 30 HP. Air motor made by Compressed Air Products, Model 526. The hoist has a 3/4 non-rotating cable. The Bullet can carry three men. The headframe is 40 feet high and the vent hole is 410 deet deep.

SHAFT

The shaft, at the time of this inspection, is down to 470 feet. It is 8 feet in diameter and cased with steel tunnel liner. A 60 foot long, 8 x8, pump room has been driven at the 363 foot level. Two pumps will be installed 1-60 HP and 1-40 HP, each capable of pumping 200 gallons of water per minute.

ELECTRICITY

Electricity is generated by a 300 KVA, 480 volts, three phase, Climax generator. The generator is powered by propane.

VENTILATION

Ventilation is the shaft is supplied by a 50 HP Joy fan and a 42 inch in diameter vent hole, 240 feet from the shaft. A drift has been driven between the shaft and the vent hole. The north and south run around and the shop area have been completed, also a decline has been completed to the bottom of the shaft for cleaning purposes. The fan provided some 45,000c.f.m.

Air readings were taken throughout the mine and the results are as follows:

205 east drift some - 5,000 c.f.m.
400 drift some - 6,000 c.f.m.
300 drift some - 5,000 c.f.m.
500 drift some Tagged

FIRST-AID

First-aid equipment consists of an ambulance, stretchers, blankets and a first-aid kpt. A notice was issued for stretcher for underground.

DIESEL

Two:diesel units were checked for CO and NO₂ and exhaust temperatures. The results are as follows:

Eimco loader No. 2, temperature - 115° F, CO - 15 15 P.P.M., NO₂ - 2 P.P.M.

March 29, 1977 Page 3

Jarvis loader No. 3, temperature - 115° F, CO - 10 P.P.M., NO₂ - 2 P.P.M.

ABATEMENT: OF NOTICES ISSUED 1-21-77

Notice No. 7, Section 63-28-5, NMSA; (57.11-12M) Abated 3-29-77

Notice No. 8, Section 63-28-6, NMSA; (57.3-22M) Abated 3-29-77

Notice No. 9, Section 63-28-6, NMSA; (57.3-22M) Abated 3-29-77

ORDER ISSUED 3-29-77

Order No. 1, Section 63-26-4, NMSA; Ventilation shall be provided in 500 drift at all times. (Red Tagged) Abate by 4-5-77

NOTICES ISSUED 3-29-77

Notice No. 1 SIM Rule No. 71-1(c); Power cable shall be covered in main surface shop. (Stumbling Hazard) (57.12-11M) Abated 3-29-77

Notice No. 2, Section 63-28-9, NMSA; Ventilation bag shall be 30 feet from face in 205 east drift. Abated 3-29-77

Notice No. 3, Section 63-28-17, NMSA; Glasses shall be provided for employee working in 400 drift and shall wear them whenevers in or around the mine or plant. (57.15-4M) Abated 3-29177

Notice No. 4, Section 63-28-6, NMSA; Additional ground support shall be provided on ribs in 300 drift. (57.3-22M) Abate by 4-5-77

Notice No. 5, Section 63-28-20, NMSA; Stretchers shall be provided for underground working areas. (57.15-1M) Abate by 4-5-77

Notice No. 6, Section 63-28-6, NMSA; Scaling shall be provided in decline drift. (57.3-22M) Abate by 4-5-77

At the conclusion of the inspection, all notices were discussed with Mr. A. Diffie, Superintendent.

ACKNOWLE DGMENT

The courtesy and cooperation extended are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

Approved

⊅OE D. LONGA⊄RE. SR.



JOE D LONGACRE, SR STATE INSPECTOR OF MINES **STATE OF NEW MEXICO**INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N.E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107

5-24-77

5-1 5-AX amp-2 Matthews Musa J. Marting

SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP

REPORT OF INSPECTION

(Ranchers Exploration a		\$	Mine	March 29, 1977
(Nam	ne)	ł		(Date of Inspection)
Uran i um (Classification of Mine)	McKinley (County in which located)			erintendent

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Surface	3	Tim_Hurley, Engineer
		Paul Matthews, General Manager
Work Schedule:		•
Hours per day	8	Type of operation: modified room & pillar
Shifts per day		
Days per week	5	Fire drill: January 24, 1977
Lost-time injurie	s to date: none	First-aid training to date: 70%
Mine telephone:	287-7012	

Inspection Party: Ranchers Exploration and Development Corp.

A. Diffie, Superintendent

State of New Mexico

Lorenzo Martinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

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A second emergency holst has been installed at the new vent hole. The hoist is a Vulcan Denver hoist and is operated by a 30 HP. Air motor made by Compressed Air Products, Model 526. The hoist has a 3/4 non-rotating cable. The Bullet can carry three men. The headframe is 40 feet high and the vent hole is 410 deet deep.

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The shaft, at the time of this inspection, is down to 470 feet. It is 8 feet in diameter and cased with steel tunnel liner. A 60 foot long, 81x81, pump room has been driven at the 363 foot level. Two pumps will be installed 1-60 HP and 1-40 HP, each capable of pumping 200 gallons of water per minute.

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500 drift some - 5000 c.f.m.

FIRST-AID

First-aid equipment consists of an ambulance, stretchers, blankets and a first-aid kpt. A notice was issued for stretcher for underground.

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<u>Two:</u>diesel units were checked for CO and NO $_2$ and exhaust temperatures. The results are as follows:

Elmco loader No. 2, temperature - 115° F, CO - 15 15 P.P.M., NO₂ - 2 P.P.M.

Jarvis loader No. 3, temperature - 115° F, CO - 10 P.P.M., NO - 2 P.P.M.

ABATEMENT: OF NOTICES ISSUED 1-21-77

Notice No. 7, Section 63-28-5, NMSA; (57.11-12M) Abated 3-29-77

Notice No. 8, Section 63-28-6, NMSA; (57.3-22M) Abated 3-29-77

Notice No. 9, Section 63-28-6, NMSA; (57.3-22M) Abated 3-29-77

ORDER ISSUED 3-29-77

Order No. 1, Section 63-26-4, NMSA; Ventilation shall be provided in 500 drift at all times. (Red Tagged) Abate by 4-5-77

NOTICES ISSUED 3-29-77

Notice No. 1 SIM Rule No. 71-1(c); Power cable shall be covered in main surface shop. (Stumbling Hazard) (57.12-11M) Abated 3-29-77

Notice No. 2, Section 63-28-9, NMSA; Ventilation bag shall be 30 feet from face in 205 east drift. Abated 3-29-77

Notice No. 3, Section 63-28-17, NMSA; Glasses shall be provided for employee working in 400 drift and shall wear them whenevers in or around the mine or plant. (57.15-4M) Abated 3-29177

Notice No. 4, Section 63-28-6, NMSA; Additional ground support shall be p: vided on ribs in 300 drift. (57.3-22M) Abate by 4-5-77

Notice No. 5, Section 63-28-20, NMSA; Stretchers shall be provided for underground working areas. (57.15-1M) Abate by 4-5-77

Notice No. 6, Section 63-28-6, NMSA; Scaling shall be provided in decline drift. (57.3-22M) Abate by 4-5-77

At the conclusion of the inspection, all notices were diccussed with Mr. A. Diffie, Superintendent.

ACKNOWLE DGMENT

The courtesy and cooperation extended are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

Approved

OE D. LONGAÇRE. SR.



Rlian make topies for Juinous, Martines & W

RANCHERS EXPLORATION AND DEVELOPMENT CORPORATION

HOPE MINE / PO BOX 1210 / GRANTS, N M 87020 / TELEPHONE (505)876-2289

March 14, 1977

RECZIVED

MAR 2 1940

NOTICE

Anyone caught without proper eye protection and hearing protection will receive one verbal warning first offense, one written warning second offense, one 3 day lay off third offense, and the forth offense shall be a mandatory termination.

Arbie B. Diffie

----liine-Superintendent---



JOE D LONGACRE, SR **STATE INSPECTOR OF MINES**

STATE OF NEW MEXICO

INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N E., SUITE 106 ALBUQUERQUE, NEW MEXICO 87107 3-23-2



Blair Matthews Mesa SAFETY FIRST M. Duran

> **OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129**

SAFETY & CHECKUP

REPORT OF INSPECTION

	1571 - Hope Mine loration and Development Corp.) (Name)	3	Typed January 24, 1977 January 17, 1977 (Date of Inspection)
Uran I um (Classification of M	McKinley (County in which located)		, Engineer sentative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted

GENERAL INFORMATION

Date of previous inspection: December 6, 1976

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above named operation was formerly operated by Kop-Ran Development Corporation.

Employment:		Company Officials:
Total	3 2	David Imrie, Superintendent (temporarily)
Underground	14	Humberto Gonzales, Walker
		Tim-Hurley, Engineer
Work Schedule:		Paul A. Matthews. General Manager
Hours per day	8	
Shifts per day	2	Type of operation: modified room & pillar
Days per week	5	,

Dire drill: August 11, 1976 Lost-time injuries to date: none

First-aid training to date: 70%

Inspection Party: Ranchers Exploration and Development Corp.

David Imrie, Superintendent

Tim Hurley, Engineer

State of New Mexico Manuel Duran, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

S.

HOIST

The emergency hoist is a Vulcan hoist, 75 HP, 440 volts, 3 phase, 1 speed, 1,160 RPM, low speed 166 RPM, high speed 280 RPM, 12,600 lbs. weight, non-rotating 8x17 7/8 cable. A daily log is kept on the hoist. The headframe is 54 feet and it is 47 feet from the collar of the shaft to the center of the sheave wheel. An ingersoll Rand, 2 drum, 550 volts, 150 HP hoist has been constructed. This is the permanent hoist, as it has been installed and is in use. It has a inch non-rotating cable and a 7/8 cable on the counter balance. All the safety devices on the hoist and safety dogs on the cage are in good working condition.

A second emergency hoist has been installed at the new vent hole. The hoist is a Vulcan Denver hoist and is operated by a 30 HP. Air motor made by Compressed Air Products, Model 526. The hoist has a 3/4 non-rotating cable. The Bullet can carry three men. The headframe is 40 feet high and the vent hole is 410 feet deep.

SHAFT

The shaft, at the time of this inspection, is down to 470 feet. It is 8 feet in diameter and cased with steel tunnel liner. A 60 foot long, 8'x8', pump room has been driven at the 363 foot level. Two pumps will be insalled 1-60 HP and 1-40 HP, each capable of pumping 200 gallons of water per minute. The slusher trench has been cut and concreted and is in operation.

ELECTRICITY

Electricity is generated by a 300 KVA, 480 volts, three phase, Climax generator. The generator is powered by propane.

VENTILATION

Ventilation in the shaft is supplied by a 50 HP Joy fan and a 42 inch in diameter vent hole, 240 feet from the shaft. A drift has been driven between the shaft and the vent hole. The north and south run around and the shop area have been completed, also a decline has been completed to the bottom of the shaft for cleaning purposes. The fan provided some 45,000 c.f.m.

FIRST-AID

First-aid equipment consists of an ambulance, stretchers, blankets and a first-aid kit.

COMMUNICATION

A two-way radio is used for communication.

DIESEL

Two (2) diesel units were inspected and found not to be in compliance with the New Mexico Mine Safety Code, Rule No. 12 of the Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico.

Eimco loader No. 2, temperature - 92°F, CO - 30 P.P.M., NO₂ - 10 P.P.M.

Jarvis loader No. 3, temperature - 70°F, CO - 10 P.P.M., NO2 - 7 P.P.M.

January 17, 1977 Page 3

ABATEMENT OF NOTICES ISSUED 12-6-77

Notice No. 2, Section 63-28-16, NMSA; (57.14-1M) Abated 1-17-77.

Notice No. 3. SIM Rule No. 71-1(c); (57.16-6M) Abated 1-17-77.

Notice No. 4, SIM Rule No. 71-1(c); (57.16-5M) Abated 1-17-77.

Notice No. 5, Rules and Regulations Effective in the Uranium Mining Areas, Paragraph No. 9: Abated 1-17-77.

Notice No. 6, Section 63-28-1, NMSA; (57.3-20M) Abated 1-17-77.

NOTICES ISSUED 1-17-77

Notice No. 1, SIM Rule No. 71-1(c): The Black and Decker hand drill in the shop shall have the locking button removed from the switch. (57.14-10M) Abated-1-17-77.

Notice No. 2, Rules and Regulations Effective in the Uranium Mining Areas, Paragraph No. 1(a): The mines in 1 south off of 1 east shall be provided with a roofjack or safety stull. Abated 1-17-77.

Notice No. 3, Section 63-28-1, NMSA: The roofbolts in 2 south off of 1 east shall be retightened. (57.3-20M) Abated 1-17-77.

Notice No. 4, Section 63-28-1, NMSA: The roofbolts from 2 south to the face of least shall be retightened. (57.3-20M) Abated 1-17-77.

Notice No. 5, SIM Rule No. 71-1(c): Eimco loader No. 2 shall be provided with a fire extinguisher. (57.4-23M) Abated 1-17-77.

Notice No. 6, Section 63-28-16, NMSA: The walkway over the slusher trench shall be provided with a handrail. (57.11-2M) Abate by 1-24-77.

Notice No. 7, SIM Rule No. 71-1(c): Gates shall be provided at the station off of the shaft. (57.19-100M) Abate by 1-24-77.

Notice No. 8, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico: Elmco loader No. 2 shall have the nitrogen dioxide (NO₂) content reduced to permissable working P.P.M. by volume (red tagged). Abate by 1-17-77.

Notice No. 9, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico: Jarvis loader No. 3 shall have the nitrogen dioxide (NO₂) content reduced to permissable working P.P.M. by volume (red tagged). Abate by 1-17-77.

At the conclusion of the inspection, all notices were discussed with Messrs. Imrie, Superintendent and Hurley, Engineer.

ACKNOWLE DGMENT

The courtesy and cooperation extended are hereby gratefully acknowledged

Inspected and Reported by: Manuel Duran Deputy Inspector of Mines

JOE D. LONGACRE SR.

Memo

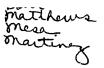
From the desk of JOE D. LONGACRE, SR. State Inspector of Mines

3-7-77

Sent registrations do:

On P. A Matthews Ranchers

Jus





JOE D LONGACRE, SR STATE INSPECTOR OF MINES

<u>Vranjum</u>

(Classification of Mine)

STATE OF NEW MEXICO INSPECTOR OF MINES DEPARTMENT

2340 MENAUL, N E , SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107** 3-23-71



SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

Typed March 7, 1977 February 21, 1977 (Date of Inspection)

SAFETY & CHECKUP

REPORT OF INSPECTION

1.D. NO. 23013/1 - nope mine	
Ranchers Exploration and Development Corporation	Mine
(Ņame)	

McKinley

(County in which located)

. . Tim Hurley, Engineer .. (Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted

GENERAL INFORMATION

Date of previous inspection: January 17, 1977

The operation is located in Poison Canyon some 12 miles northwest of Grants, New Mexico. The operation is owned and operated by Ranchers Exploration and Development Corporation. The above mentioned operation was formerly operated by Kop-Ran Development Corporation.

Employment:		Company Officials:
Total	27	Arbie Diffie, Superintendent
Underground	16	Bill Green, Walker
Surface	11	- Tim-Hurley, Engineer
		Paul Matthews, General Manager
Work Schedule:		
Hours per day	8	Mine telephone: 287-7012
Shifts per day	2	·
Days per week	5	Type of operation: modified room and pillar

Fire drill was held January 4, 1977 Lost-time injuries to date: none

First-aid training to date: 70%

Inspection Party: Ranchers Exploration and Development Corporation

Arbie Diffie, Superintendent

Tim Hurley, Engineer

State of New Mexico

Lorenzo Martinez, Deputy Inspector of Mines

JOE D. LONGACRE, SR.

HOIST

The emergency hoist is a Vulcan hoist, 75 HP, 440 volts, 3 phase, 1 speed, 1,160 RPM, low speed 166 RPM, high speed 280 RPM, 12,600 lbs. weight, non-rotating 8x17 7/8 cable. A daily log is kept on the hoist. The headframe is 54 feet and it is 47 feet from the collar of the shaft to the center of the sheave wheel. An ingersoll Rand, 2 drum, 550 volts, 150 HP hoist has been constructed. This is the permanent hoist, as it has been installed and is in use. It has an inch non-rotating cable and a 7/8 cable on the counter balance. All the safety devices on the hoist and safety dogs on the cage are in good working condition.

A second emergency hoist has been installed at the new vent hole. The hoist is a Vulcan Denver hoist and is operated by a 30 HP. Air motor made by Compressed Air Products, Model 526. The hoist has a 3/4 non-rotating cable. The Bullet can carry three men. The headframe is 40 feet high and the vent hole is 410 feet deep.

SHAFT

The shaft, at the time of this inspection, is down to 470 feet. It is 8 feet in diameter and cased with steel tunnel liner. A 60 foot long, 8 x8 pump room has been driven at the 363 foot level. Two pumps will be installed 1-60 HP and 1-40 HP, each capable of pumping 200 gallons of water per minute. The company is now driving drifts.

ELECTRICITY

Electricity is generated by a 300 KVA, 480 volts, three phase, Climax generator, the generator is powered by propane.

VENTILATION

Ventilation in the shaft is supplied by a 50 HP Joy fan and a 42 inch in diameter vent hole, 240 feet from the shaft. A drift has been driven between the shaft and the vent hole. The north and south run around and the shop are have been completed, also a decline has been completed to the bottom of the shaft for cleaning purposes. The fan provided some 45,000 c.f.m.

FIRST-AID

First-aid equipment consists of an ambulance, stretchers, blankets and a first-aid kit. The nearest doctor is in Grants, New Mexico.

COMMUNICATION

Regular telephones are used for communication.

DIESEL

Two diesel units were inspected and found not to be in compliance with the New Mexico Mine Safety Code, Rule No. 12 of the Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico.

Eimco loader No. 2, temperature - 110° F.; 0 - 20 PPM; $0_2 - 1$ PPM Jarvis loader No. 3, temperature - 100° F.; 0 - 20 PPM; $0_2 - 20$ PPM

VENTILATION

Air readings were taken throughout the mine and the results are as follow:

311 drift - some 6,000 c.f.m.

312 drift - some 6,000 c.f.m.

200 drift - some 8,000 c.f.m.

204 drift - some 6,500 c.f.m.

202 drift - some 7,000 c.f.m.

ABATEMENT OF NOTICES ISSUED 1-17-77

Notice No. 6, Section 63-28-16, NMSA; (57.11-2M) Abated 2-21-77.

Notice No. 7, SIM Rule No. 71-1(c); (57.19-100M) Abated 2-21-77.

Notice No. 8, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico; Abated 2-21-77.

Notice No. 9, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico; Abated 2-21-77.

NOTICES ISSUED 2-21-77

Notice No. 1, SIM Rule No. 71-1(c): Blasting line shall be rehung and insulated in 311 drift. (57.6-122M) Abated 2-21-77.

Notice No. 2, SIM Rule No. 71-1(c): Blasting line shall be rehung and insulated in 204 drift. (57.6-122M) Abated 2-21-77.

Notice No. 3, SIM Rule No. 74-4(c): A self-rescue shall be provided for employee in 202 drift. (57.18-28M) Abated 2-21-77.

Notice No. 4, Section 63-28-9, NMSA: Ventilation bag shall be within 30 feet of face in 202 drift. Abated 2-21-77.

Notice No. 5, SIM Rule No. 71-1(c): Blasting line shall be rehung and insulated in 200 drift. (57.6-122M) Abated 2-21-77.

Notice No. 6, Section 63-28-16, NMSA: A cover guard shall be provided next to fan belts on 911 loader. (57.14-1M) Abated 2-21-77.

Notice No. 7, Section 63-28-5, NMSA: A cover guard next to cage on 1-4 level shall be provided. (57.11-1211) Abate by 2-28-77.

Notice No. 8, Section 63-28-6, NMSA: Additional ground support shall be provided in 204 drift. (57.3-22M) Abate by 2-28-77.

Notice No. 9, Section 63-28-6, NMSA: Additional ground support shall be provided in sump incline. (57.3-22M) Abate by 2-28-77.

At the conclusion of the inpsection, all notices were discussed with Messrs. Diffie, Superintendent; and Hurley, Engineer.

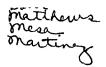
ACKNOWLEDGEMENT

The courtesy and cooperation extended are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

jmz

JOE D LONGACRE. SR.





JOE D LONGACRE, SR STATE INSPECTOR OF MINES

1.D. No. 2901571 - Hope Mine

STATE OF NEW MEXICO **INSPECTOR OF MINES DEPARTMENT**

2340 MENAUL, N.E., SUITE 106 **ALBUQUERQUE, NEW MEXICO 87107** 3.23.77



SAFETY FIRST



OFFICE TELEPHONE 842-3055 RESIDENCE PHONE 344-1129

SAFETY & CHECKUP

REPORT OF INSPECTION

· · · · · · · · · · · · · · · · · · ·	 Hope Mine ion and Development Co (Name) 	orporation Mine	Typed March 7, 1977 February 21, 1977 (Date of Inspection)
Uran i um (Classification of Mine)	McKinley (County in which located		ngineerative present at inspection)
Pursuant to the Mining Law inspection the following was no		ection 63-4-8, an inspection, as designa	ated above, has been made. During this
	GENERAL I	NFORMATION	
Date of previous	inspection: January 1	7, 1977	
Mexico. The operation	ation is owned and operationed operation	on some 12 miles northwe erated by Ranchers Explor ation was formerly operat	ation and Development
Employment: Total Underground Surface Work Schedule:	27 16 11	Company Officials: Arbie Diffie, Superint Bill Green, Walker Tim Hurley, Engineer Paul Matthews, General	-
Hours per day Shifts per day Days per week	8 2 5	Mine telephone: 287-701 Type of operation: modi	
Fire drill was he	ld January 4, 1977	Lost-time injuries to da	ate: none
First-aid trainin	g to date: 70%		
Inspection Party:	Ranchers Exploration Arbie Diffie, Super Tim Hurley, Engineer		ation
	State of New Mexico		

JOE D. LONGACRE, SR.

State Inspector of Mines

Lorenzo Martinez, Deputy Inspector of Mines

HOIST

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A second emergency hoist has been installed at the new vent hole. The hoist is a Vulcan Denver hoist and is operated by a 30 HP. Air motor made by Compressed Air Products, Model 526. The hoist has a 3/4 non-rotating cable. The Bullet can carry three men. The headframe is 40 feet high and the vent hole is 410 feet deep.

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COMMUNICATION

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DIESEL

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Eimco loader No. 2, temperature - 110° F.; CO - 20 PPM; NO₂ - 1 PPM Jarvis loader No. 3, temperature - 100° F.; CO - 20 PPM; NO₂ - 2 PPM

VENTILATION

Air readings were taken throughout the mine and the results are as follow:

311 drift - some 6,000 c.f.m. 312 drift - some 6,000 c.f.m. 200 drift - some 8,000 c.f.m. 204 drift - some 6,500 c.f.m.

202 drift - some 7,000 c.f.m.

ABATEMENT OF NOTICES ISSUED 1-17-77

Notice No. 6, Section 63-28-16, NMSA; (57.11-21) Abated 2-21-77.

Notice No. 7, SIM Rule No. 71-1(c); (57.19-100M) Abated 2-21-77.

Notice No. 8, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico; Abated 2-21-77.

Notice No. 9, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico; Abated 2-21-77.

NOTICES ISSUED 2-21-77

Notice No. 1, SIM Rule No. 71-1(c): Blasting line shall be rehung and insulated in 311 drift. (57.6-122M) Abated 2-21-77.

Notice No. 2, SIM Rule No. 71-1(c): Blasting line shall be rehung and insulated in 204 drift. (57.6-122M) Abated 2-21-77.

Notice No. 3, SIM Rule No. 74-4(c): A self-rescue shall be provided for employee in 202 drift. (57.18-28M) Abated 2-21-77.

Notice No. 4, Section 63-28-9, NMSA: Ventilation bag shall be within 30 feet of face in 202 drift. Abated 2-21-77.

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Notice No. 6, Section 63-28-16, NMSA: A cover guard shall be provided next to fan belts on 911 loader. (57.14-1M) Abated 2-21-77.

Notice No. 7, Section 63-28-5, NMSA: A cover guard next to cage on 1-4 level shall be provided. (57.11-12M) Abate by 2-28-77.

Notice No. 8, Section 63-28-6, NMSA: Additional ground support shall be provided in 204 drift. (57.3-22M) Abate by 2-28-77.

Notice No. 9, Section 63-28-6, NMSA: Additional ground support shall be provided in sump incline. (57.3-22M) Abate by 2-28-77.

At the conclusion of the inpsection, all notices were discussed with Messrs. Diffie, Superintendent; and Hurley, Engineer.

ACKNOWLEDGEMENT

The courtesy and cooperation extended are hereby gratefully acknowledged.

Inspected and Reported by: Lorenzo Martinez Deputy Inspector of Mines

jmz

JOE D LONGACRE. SR.



Lolo and Mesa made 3-14-77

RANCHERS EXPLORATION AND DEVELOPMENT CORPORATION

Box 6217 / 1776 Montano Road, N W / Albuquerque, New Mexico 87107 / Telephone (505) 344-3542

March 4, 1977

Mr. Joe Longacre N. M. State Inspector of Mines 2340 Menaul NE, Suite 106 Albuquerque, New Mexico 87107

Re: Hope Mine, S. 19, T. 13 N., R. 9 W.

Dear Joe:

Please be advised that the Hope has now entered the production phase. Mr. Arbie Diffie is mine superintendent and is in charge of the property.

Sincerely,

and a. Kealleur Paul A. Matthews

Vice President

Operations

PAM: bbh

Jan 18, 1977 Hope Mine M. Levan- Miss RECEIVER Box 1210 JAN 2 4 1977 Grants, n. mex 87020 File / Lontlamen, The NEr content of the exhaust on these two machines has been tested and has been reduced to permissable norting PPM by Volume. Edward T Huley Goologist - Engineer Hope Mine (Randiers Expl- Elin- (102))

DO NOT USE!

THIS EQUIPMENT NOT TO BE USED UNTIL THE FOLLOWING HAS BEEN CORRECTED.

Bolts Ewine beck be fore

day orther works prefored

10 701 west By order of

Joe D. Longacre, Sr.

State Inspector of Mines by Deputy Of Links

(over)

THIS EQUIPMENT NOTITION HOTSUSED UNTIL THE FOLLOWING HAS CORRECTED

A BUREAU DE MINE INSPEDTIONS

Streng h Lucy from No2 Shisher By order of

Joe D. Longacre, Sr. 30

State Inspector of Mines by Deputy

DO NOT USE!

THIS EQUIPMENT NOT TO BE USED UNTIL THE FOLLOWING HAS BEEN CORRECTED

reduced to sumisons 9 PM by Holivine

> By order of Joe D. Longacre, Sr.

(over)

State Inspector of Mines by Deputy Manuel Mura

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	Company Dancker Address Stanto	1.21
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